

APPENDIX A

Environmental Overview

ENVIRONMENTAL OVERVIEW

HOPKINSVILLE SMALL URBAN
AREA STUDY
CHRISTIAN COUNTY, KENTUCKY



SEPTEMBER 2012

ENVIRONMENTAL OVERVIEW

Hopkinsville Small Urban Area Study
Christian County, Kentucky



Prepared for:

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Executive Summary

This Environmental Overview has been completed for the Hopkinsville Small Urban Area Study to identify environmental resources and potential issues of concern, and establishes an environmental footprint for consideration in the development future transportation projects and avoidance and minimization of impacts. The study area assessed for this report includes the city limits of the City of Hopkinsville, extending southeastward to include the City of Pembroke and southward to the I-24 and US 41A intersection. The total area under consideration is approximately 150 square miles, roughly one-fifth the total area of Christian County.

Natural environment resources identified within the study area and issues which must be addressed if impacts occur include:

- **Aquatic resources:** Three-hundred-twenty-three streams and 1,290 NWI-mapped wetlands are mapped within the study area. Of particular concern are the West Fork Red River (a KDOW designated Special Use Water), the North Fork Little River (a KDOW 305(b) and 303(d) listed stream), and the South Fork Little River (a KDOW 303(d) listed stream).
- **Floodplain and Floodway:** FEMA mapped 100-year floodplains are present along the major rivers and tributaries in the study area. In addition FEMA regulated floodways are present in the North Fork Little River and South Fork Little River within the City of Hopkinsville.
- **Groundwater resources:** Sixty-seven water wells registered for domestic use and 32 registered for agricultural use are present in the study area. Twenty-three springs are known within the study area, and the karst geology and numerous sinkholes present indicate groundwater resources in the study area have a high sensitivity to potential pollution.
- **Public water supplies:** The majority of the study area is within one of two Source Water Assessment and Protection (SWAP) areas which include surface drainages that flow into North Fork Little River, Montgomery Creek and West Fork Red River. North Fork Little River is also a public surface water supply source. Three public water supply wells are also present in the study area.
- **Threatened and endangered species habitat:** One federal endangered species, gray bat (*Myotis grisescens*), has been reported to occur within the study area boundary, and three additional federal-listed species are known to occur within 5 miles of the study area. A portion of the study area is within USFWS known Indiana bat habitat area. Transportation projects which occur within this area will require project-specific evaluation by the Service to assess appropriate minimization and mitigation measures for project related habitat impacts. Specific habitat surveys may be required for subsequent projects which impact potential habitat for the Gray bat, Indiana bat or the

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copperbelly water snake. The need for and implementation of such surveys should be coordinated with the USFWS Kentucky Field Office on a project specific basis.

- Section 4(f)/6(f) public resources: Twenty publicly accessible recreational use areas (Section 4(f) Resources) were identified in the study area. Eight of those have received federal funds as recreation or conservation areas (Section 6(f) Resources).

Human environment resources identified within the study area and issues which will require being addressed include:

- Section 4(f) and Section 106 resources: Twenty-seven National Register of Historic Places registered historic properties and five NRHP historic districts are present in the study area. Two-hundred-five previously recorded archaeological sites are identified within the study area, two of which are listed on the NRHP and one considered eligible for inclusion on the National Register. Approximately 30% of the study area has been previously surveyed for archaeological resources, indicating additional archaeological resources are potentially present throughout the study area.
- Potential hazardous materials concern sites: Two CERCLIS (USEPA Superfund) sites, one RCRA COR ACT (USEPA Corrective Action) site, two RCRA TSD (USEPA Treatment, Storage, and Disposal) sites, three solid waste landfills and 33 LUST sites are present within the study area.
- Sensitive Water Areas: The KYTC Environmental Viewer website application marks three separate locations within the study area as a “Sensitive Water Area”, and to contact the KYTC District 2 Environmental Coordinator for more details.

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Project Location and Environmental Footprint Mapping

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- A2. Environmental Footprint, Natural Environment
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ATTACHMENT B

Supplemental Information

- B1. Land Cover (2005 Land Cover Dataset)
- B2. Physiographic Regions of Kentucky
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- B13. USFWS Kentucky Ecological Services Field Office List of Endangered, Threatened, & Candidate Species in Christian County, Kentucky
- B14. KDFWR List of State-Listed Species in Christian County, Kentucky
- B15. KSNPC Response June 21, 2012
- B16. USFWS Known *Myotis sodalis* Habitat-Project Vicinity Map
- B17. NPS Land & Water Conservation Fund Detailed Listing of Grants, Christian County 6/26/2012
- B18. Kentucky Office of State Archaeology Data Request, Response 6/14/2012 (excerpt)
- B19. UST Records List Summary
- B20. *FirstSearch Technology Corporation*, Environmental FirstSearch™ Report (excerpt)
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ATTACHMENT C

Photograph Index Map and Study Area Representative Photographs

1.0 PROJECT DESCRIPTION AND ENVIRONMENTAL SETTING

1.1 PROJECT DESCRIPTION, HISTORY AND STATUS

The Hopkinsville Small Urban Area (SUA) study will attempt to identify and examine transportation issues related to safety and congestion in the City of Hopkinsville and its surrounding area in Christian County, Kentucky. The study will focus on short-term improvements that can be quickly and effectively implemented at both an individual intersection level and at an area-wide level. It will produce a list of short-term recommendations which the Kentucky Transportation Cabinet (KYTC), the City of Hopkinsville, Christian County and/or private developers can take for further project development and implementation. The study will also seek to address long-term concerns by examining the future transportation needs and determining options for future improvement projects.

The study area assessed for this report includes the city limits of the City of Hopkinsville, extending southeastward to include the City of Pembroke and southward to the I-24 and US 41A intersection. The total area under consideration is approximately 150 square miles, roughly one-fifth the total area of Christian County.

This Environmental Overview, a component of the Small Urban Area Study work in progress, identifies environmental resources and potential issues of concern, and establishes an environmental footprint for consideration in the development of project alternatives and avoidance and minimization of impact efforts. Information for this overview was obtained from literature review, resource agency coordination, and additional secondary source information sources relevant to the study area and the resources of concern. Information obtained from secondary sources are mapped on the aerial photograph Environmental Footprint planning level base maps provided in Attachments A2 and A3 and a USGS Topographic map provided in Attachment A4.

Resources and issues of concern identified in the study area include those related to both the natural and human environment. Natural environment resources are presented in Section II, which includes streams, floodplains, wetlands, ponds, water supplies, threatened, endangered and special concern species and habitat, woodland and terrestrial areas, and parks (Attachment A2). Human environment resources are presented in Section III, which includes social and economic resources, historic and archaeological resources, hazardous materials concerns, agriculture, mining, air quality, noise, and additional concerns (Attachment A3).

In conjunction with this report, the KYTC will be preparing a Geotechnical Overview while the Pennyriple Area Development District (PEADD) will prepare an Environmental Justice analysis of the project area. All three projects will contribute to the final Hopkinsville Small Urban Area Study.

1.2 LAND COVER

Land cover in the project area was determined through a review of aerial photographs and the 2005 Kentucky Land Cover Dataset (KDGI, 2007a; Attachment B1). General land cover in the study area is developed in the cities of Hopkinsville and Pembroke and major roadways (approximately 30% of the study area) and agricultural (60%, cultivated crops and pasture/hay) in the surrounding countryside, with approximately 10% remaining in natural areas (forest and open water).

1.3 PHYSIOGRAPHY AND TOPOGRAPHY

The study area is located in the Mississippian (Pennyroyal) Plateaus physiographic region (KGS, 2001a; Attachment B2) and the Interior Plateau ecoregion (Woods et al, 2002). The northern portion lies in the Crawford-Mammoth Cave Uplands ecoregion subarea while the remainder lies in the Western Pennyroyal Karst Plain subarea, with the karst plain representing about 83% of the total study area (Attachment B3). These regions are described as hilly uplands containing cliffs and wide karst valleys in the north to gently sloping to rolling karst plain in the central and south. Historic and potential natural vegetation includes oak-hickory forests in the northern portion along with a mosaic of bluestem prairie in the central and southern areas, though much is replaced by extensive cropland and pastureland with forests limited in extent through the Western Pennyroyal Karst Plain area.

The study area vicinity has rolling terrain with moderate to low relief moving from north to south. Review of the United States Geologic Survey topographic maps (USGS, multiple; Attachment A1) indicate elevations range from about 500 feet above mean sea level in the south to over 650 feet above mean sea level in the northern areas, sloping to the center, south and southeast towards local drainage features.

1.4 GEOLOGY AND SOILS

In general, surficial geology consists of loess and alluvium of Quaternary age over Middle Mississippian limestones (St. Genevieve, St. Louis and Salem formations). In the north lie some Pennsylvanian sandstone and siltstone while the central and south contains some calcareous shale (Lambert and Brown, 1963; Woods et al, 2002; Beck et al, 2005; Carey and Stickney, 2005; Attachment B4). Christian County is considered to be an intense karst area (KGS, 2001b; Attachment B5) with numerous sinkholes mapped (USGS topographic maps, KGS 2003.)

Soils in the study area occur primarily as Crider silt loams (15%), Nicholson silt loams (8%) and Pembroke silt loams (38%). These soils are nearly level to sloping (0 to 12 percent slopes), deep (Crider and Pembroke), moderately well to well drained soils of uplands and stream terraces. Combined these three soils comprise over 60% of the soils in the study area, with the remainder area being divided among an additional 32 soils series. Nine soil series are listed as hydric or having hydric inclusions and comprise a total of 4% of the soils in the study area, being found on flood plains and stream terraces: Bonnie silt loam, frequently flooded; Dunning soils,

occasionally flooded; Lawrence silt loam (inclusions of Robertsville silt loam); Melvin silt loam, occasionally flooded; Newark silt loam (inclusions of Melvin silt loam); Robertsville silt loam, occasionally flooded; Belknap silt loam (inclusions of Bonnie silt loam); Blackford silt loam (inclusions of Bonnie silt loam); and Sharon silt loam (inclusions of Bonnie silt loam) (USDA, 2012a and 2012b; Attachment B6.)

1.5 DRAINAGE

The study area includes nine watersheds (HUC-12) of drainages (HUC-10) within two catalog units (HUC-8), the Red River in the southeast and Barkley Lake in the north, central and west, both in the Lower Cumberland River accounting unit of the Ohio River Basin (Carey, 2003; KDOW, 2012a; USGS, 2005; Attachment B7).

Watersheds in SUA Study Area

Basin	Accounting Unit (HUC-6)	Catalog Unit (HUC-8)	Drainage (HUC-10)	Watershed (HUC-12)	Area (mi ²)
05 Ohio River	051302 Lower Cumberland River	05130205 Barkley Lake	0513020505 Upper Little River	051302050501 Upper South Fork Little River	27.2
				051302050502 Lower South Fork Little River	39.1
				051302050503 North Fork Little River	58.2
				*051302050504 Herndon	45.0
				051302050505 Bennettstown	29.3
			0513020506 Lower Little River	051302050605 Upper Sinking Fork	43.9
		05130206 Red River	0513020604 Little West Fork Red River	051302060401 Dry Fork Creek	16.0
			0513020606 West Fork Red River	*051302060602 Montgomery Creek	37.2
				*051302060604 Oak Grove	48.9

*Mapped surface streams showing non-continuous connection to downstream features (subsurface drainage) present within watershed.

Local surface drainage in the north, central and west of the study area is to the west and south (Little River drainage), while in the south and east of the study area drainage is to the southeast (Red River of Tennessee). Multiple surface streams mapped on USGS topographic maps and the national hydrography dataset in the central and southeast portions of the study area show non-continuous surface drainage connections to downstream features, indicating the presence of subsurface and karst drainage patterns (USGS, 2005).

2.0 NATURAL ENVIRONMENT

Natural environment resources include streams, floodplains, wetlands, ponds, water supplies, threatened, endangered and special concern species and habitat, woodland and terrestrial areas, and parks located within the study area. Information concerning each resource was obtained primarily from publicly available secondary source information such as maps and GIS files, with limited on-site survey and confirmation. An overview of natural resources present in the study area is provided in Attachment A2.

2.1 SURFACE STREAMS

Three-hundred-twenty-three (323) streams are mapped in the study area with the Little River being the largest (stream order 5) and the most extensive, followed by South Fork Little River and North Fork Red River (Attachment B7). One stream in the study area is listed in the 2010 KDOW 305(b) and 303(d) water quality reports (KDOW, 2010a and 2010b), the North Fork of Little River in the northern portion of the City of Hopkinsville which is listed as Not Supporting in Aquatic Life (WAH) and Primary Contact Recreation (305(b) Waters, Attachment B7). Causes for the non-supporting designation include sedimentation/siltation, fecal coliform and nutrient and organic enrichment biological indicators, while sources are listed as loss of riparian habitat, municipal point source discharges (sewage), agriculture and urban runoff/storm sewers.

The Little River watershed, including North Fork and South Fork of Little River, currently has a TMDL under development for nutrient and organic enrichment (303(d) Waters, Attachment B7). In 1999, the watershed was selected as a Kentucky Clean Water Action Plan project for targeted nonpoint source control efforts by multiple agencies, primarily related to causes and sources similar to the North Fork Little River 305(b) non-support listing (above).

Information from the Kentucky Division of Water indicates that the West Fork of Red River is designated as a **Special Use Water** for the following characteristics: cold water aquatic habitat, exceptional water, reference reach water, and outstanding state resource water (KDOW, 2012b). The West Fork of Red River is located within the study area at the extreme southeast corner for about 0.5 mile length. Montgomery Creek, which drains the southeast portion of the study area, enters the West Fork Red River just upstream of this point and its confluence is the upstream limit of the Special Use Water designation with the exception of cold water aquatic habitat (Attachment B7).

A comprehensive stream survey and impact assessment, including evaluation of avoidance and minimization measures, will need to be conducted as this project further develops. Unavoidable impacts to streams will require coordination with the U.S. Army Corps of Engineers (USACE) and KDOW to determine Section 404/401 permitting and mitigation requirements. In addition, subsequent projects which would result in a stormwater discharge directly into West Fork of Red

River would require an Individual KPDES Stormwater Permit, a process requiring additional stormwater controls for anti-degradation and an extended permit review time period.

2.2 FLOODPLAINS

Based on review of FEMA Q3 Flood Data (KDGI, 2010a), 100-Year floodplains occur at several locations in the north and central areas of the study area (Attachments A2 and B8). Floodplains are associated with Little River, North Fork Little River, White Creek, Lower Branch (above Lake Boxley), Lake Boxley, South Fork Little River and Rock Bridge Branch, in addition to several unnamed tributaries. Floodways associated with North Fork Little River and South Fork Little River are mapped within the City of Hopkinsville.

Coordination will be required for subsequent transportation projects with the City of Hopkinsville Floodplain Administrator (who is also listed as the floodplain administrator for Christian County) and the Kentucky Division of Water, Surface Water Permits Branch, Floodplain Management Section to determine limitations on construction activities in these areas, and local and state permit requirements.

2.3 WETLANDS

A review of National Wetlands Inventory (NWI) data indicates a total of 1,290 NWI-mapped wetlands are located within the study area (USFWS, 2012a; Attachment B9). Mapped features are scattered throughout the study area with the exception of a scarcity in the central and northwestern portions of the City of Hopkinsville, generally typical in highly developed areas.

The majority of the NWI mapped features (650) are identified as ponds, typically small farm ponds, landscape and recreational ponds or stormwater retention ponds readily observable in the landscape. Following these in number are emergent (232 features), forested (229 features) and scrub/shrub (85 features) wetlands having an average size in the study area of 0.9 acre, 5.3 acres and 1.2 acre respectively. The remaining features (102) are associated with larger lakes and streams.

NWI maps utilized aerial photo interpretation from high-altitude aerial photography to detect areas with apparent soil saturation or inundation. Large wetlands systems are usually obvious while smaller wetlands are more difficult to detect. NWI maps provide useful background information to identify areas with potential wetlands, though actual field conditions may differ. Comprehensive wetland surveys and impact assessments, including evaluation of avoidance and minimization measures, will need to be conducted for subsequent transportation projects. Unavoidable wetland impacts would require coordination with the USACE and KDOW to determine Section 404/401 permitting and mitigation requirements.

2.4 PONDS

Ponds within the study area are mapped as part of the NWI resources discussed above. The 650 identified features are predominantly diked or excavated ponds and are present throughout

the study area with the exception of the downtown Hopkinsville area. Recently constructed ponds (less than 10 years) are not included in the NWI-mapped resources and will most likely be present in locations which have experienced new home or commercial development since that time.

Due to the large number of features potentially present in the study area, the presence of ponds was not verified during field surveys performed for this report.

2.5 GROUNDWATER RESOURCES AND PUBLIC WATER SUPPLIES

2.5.1 Groundwater

Groundwater, spring and water well information from the Kentucky Geologic Survey (KGS) and KDOW was reviewed for the study area. In general, groundwater resources in Christian County are limited in the northern portion (Crawford-Mammoth Cave Uplands ecoregion subarea) of the county and sporadically more abundant in the central and southern portions (Western Pennyroyal Karst Plain ecoregion subarea). Availability of groundwater is greater in the larger river valleys having thick alluvium deposits. Outside of these areas drilled wells will need to penetrate thick sections of sandstone or fault or solution openings in limestone to produce enough water for domestic use. Water is typically hard or very hard, with deeper supplies bearing higher levels of iron, minerals, salts and dissolved solids (Lambert and Brown, 1963; Attachment B10; Carey and Stickney, 2005).

Due to the karst geology and numerous sinkholes present in central and southern Christian County, the study area has high groundwater sensitivity to potential pollution (Ray et al., 1994; Attachment B11). Mapped sinkholes in the vicinity of the study area are presented on Attachment B12.

Review of Kentucky Geologic Survey data (KGS, 2012a) indicates there are 233 water wells registered in the study area (Attachment B12). Of these, 102 are monitoring wells (44%), 67 are domestic use wells (29%) and 32 are agricultural use wells (14%). Sixty-eight monitoring wells are listed under UST regulatory authority and 17 are listed under Superfund regulatory authority.

Twenty-two springs are mapped within the study area (KGS, 2012a) out of 94 reported in Christian County. None are reportedly used for domestic water supply and two are reportedly used for agricultural use. Nine of the 22 springs are named features.

2.5.2 Public Water Supplies

The study area is served by up to four water utilities: Christian County Water District, Fort Campbell Water, Hopkinsville Water Environmental Authority and Oak Grove Utilities Office. The Hopkinsville Water Environmental Authority is the main supplier of treated drinking water in the area through their own distribution network and as a supplier to the Christian County Water District. Water supply intakes are located on the North Fork Little River and two stone quarries utilized as supply reservoirs (KDOW, 2012c; specific locations not disclosed).

Three wells in the study area are listed as public water supply wells (Attachment B12). Two are non-transient, non-community wells associated with a business and a church located near US 41 southeast of Hopkinsville. The third public water supply well is a community well in the City of Pembroke, also near US 41 at the east end of the study area.

The study area includes portions of two Source Water Assessment and Protection (SWAP) program areas (KDGI, 2010b; Attachment B12). One is associated with the North Fork Little River and includes the western and northern portions of the City of Hopkinsville. The second is associated with the North Fork Red River and Montgomery Creek and includes much of the south and east portions of the study area.

Coordination with the Pennyriple Area Development District and the local water utilities for subsequent transportation projects should be undertaken to identify requirements of the local pertinent SWAP Program, limitations on construction activities that may be present, and local permit requirements. Construction activities may require the preparation of a Groundwater Protection Plan per 401 KAR 5:307.

2.6 THREATENED, ENDANGERED AND SPECIAL CONCERN SPECIES

Information concerning federal and state endangered, threatened and special concern species and unique habitats in the project vicinity was obtained from the United States Fish and Wildlife Service (USFWS, 2012b), the USFWS Ecological Services Kentucky Field Office (USFWS, 2008a), the Kentucky Department of Fish and Wildlife Resources (KDFWR, 2012), and the Kentucky State Nature Preserves Commission (KSNPC, 2009).

The USFWS Ecological Services Kentucky Field Office reports two federal endangered species known to occur in Christian County, the gray bat (*Myotis grisescens*) and Indiana bat (*Myotis sodalis*), with an additional two federal endangered and two federal candidate species having the potential to occur (all four mussels) within Christian County. One species, copperbelly water snake (*Nerodia erythrogaster neglecta*), is covered by a USFWS managed State Conservation Agreement, is federal threatened in a portion of its range, and may be present in the study area vicinity (Attachment B13).

The KDFWR indicates 34 state-listed species as being in Christian County, including 11 state-endangered, 6 state-threatened and 17 state-special concern species (Attachment B14). Three of the listed species also occurred on the USFWS species lists.

Based on data received directly from KSNPC, there are 15 records-of-occurrence of state and federal listed species within the study area boundaries, and an additional 22 records-of-occurrence within 5 miles of the study area. The KSNPC response indicated five federal- (nine state-) listed species have been recorded within the study area boundaries and an additional 11 federal- (18 state-) listed species within five miles (Attachment B15). This response includes specific mention of six species of particular concern as well as the karst landscape and sensitive ecosystems present within cave systems that may occur in the study area. Due to the sensitive

nature of listed-species information, mapped locations of these records are not included in this report.

2.6.1 Federal-Listed Species

Seven (7) federal-listed species are known or have the potential to occur within the study area boundaries based on review of database information, including four federal-endangered and three federal species of management concern:

- ****Fanshell mussel** (*Cyprogenia stegaria*), federal and state endangered species having the potential to occur in Christian County. Prefers medium to large rivers, primarily in relatively deep water in gravel substrate with moderate current (USFWS, KSNPC).
- ***Gray bat** (*Myotis grisescens*), federal endangered and state threatened species known to occur in Christian County. Specifically mentioned in KSNPC response regarding “has been observed in area caves in the past, but has not been seen in recent years.” Primarily use caves throughout the year though smaller colonies also occasionally roost under bridge structures (USFWS, KSNPC).
- **Indiana bat** (*Myotis sodalis*), federal and state endangered species known from Christian County. In summer, found under exfoliating bark and in cavities of dead and live trees in upland and riparian forests, and wooded fencerows. In winter, found hibernating in caves and old mine portals (KDFWR).
- ****Ring pink mussel** (*Obovaria retusa*), federal and state endangered species known from Christian County. Characterized as a large-river species inhabiting relatively shallow waters within gravel and sandy substrates (USFWS, KSNPC).
- **Slabside pearl mussel** (*Lexingtonia dolabelliformis*), federal candidate species having the potential to occur in Christian County, though presumed to be extirpated from the state. Primarily large creek to moderately-sized river species inhabiting sand, fine gravel and cobble substrates in relatively shallow riffles and shoals with moderate current (USFWS).
- ****Fluted kidneyshell mussel** (*Ptychobranhus subtentum*), federal candidate and state endangered species having the potential to occur in Christian County. Apparently prefers smaller streams and rivers with clean swept rubble, gravel and sand substrates in shallow riffles and shoals with moderate to swift current (USFWS, KSNPC).
- **Copperbelly water snake** (*Nerodia erythrogaster neglecta*), federal threatened species in a portion of its range and state species of concern, having the potential to occur in Christian County. Species is governed by a State Conservation Agreement. Specifically mentioned in KSNPC response regarding “if bottomlands or adjacent areas could be impacted, this species should be considered.”

Species marked with a single asterisk * indicates a KSNPC record within the study area boundary; those marked with a double asterisk ** indicates a KSNPC record within 5 miles of the study area boundary.

Review of information provided in the Indiana Bat Mitigation Guidance for the Commonwealth of Kentucky (USFWS, 2008b) indicates that the study area does occur within the USFWS Indiana Bat Big Rivers Recovery and Mitigation Focus Area (RMFA), described as the “assemblage of caves and maternity colonies in Christian, Livingston, Lyon, Marshall, and Trigg Counties.” In addition, the western edge of the study area is covered by “Known Swarming (P3 and P4)” Indiana bat hibernacula zones (Attachment B16). These designations indicate transportation projects which occur within the mapped areas will require project-specific evaluation by the Service to assess appropriate minimization and mitigation measures for project related habitat impacts.

Specific habitat surveys may be required for subsequent projects which impact potential habitat for the Gray bat, Indiana bat or the copperbelly water snake. The need for and implementation of such surveys should be coordinated with the USFWS Kentucky Field Office on a project specific basis.

2.6.2 State-Listed Species

There are 37 known records-of-occurrence for state listed species in and within 5 miles of the study area boundaries (KSNPC response, Attachment B15). Information obtained from KDFWR and KSNPC together list 17 state-endangered species (in addition to those in the federal-listed section above), 7 state-threatened species, and 15 state-special concern species as known or having the potential to occur in Christian County (Attachments B14 and B15), as summarized below along with their associated habitat requirements.

Species below marked with a single asterisk * indicates a KSNPC record within the study area boundaries; those marked with a double asterisk ** indicates a KSNPC record within 5 miles of the study area boundary.

2.6.2.1 State-Endangered

- **Spotted Sandpiper** (*Actitis macularius*); shores of lakes, ponds, and streams, sometimes in marshes; prefers shores with rocks, wood, or debris. Nests near freshwater in both open and wooded areas (NatureServe).
- ***Northern Shoveler** (*Anas clypeata*); nests occasionally in temporary karst lakes in open agricultural land (KSNPC).
- **Swamp Metalmark** (*Calephelis muticum*); butterfly, shrub swamps, fens, lake and pond shores with specific thistle plants present, usually on calcareous soils (NatureServe).
- **Brown Creeper** (*Certhia americana*); bird, preferred habitat includes forest, woodlands, forested floodplains and swamps, most often coniferous and mixed forests with a component of dead trees (NatureServe).

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- ****Eastern Hellbender** (*Cryptobranchus alleganiensis alleganiensis*); federal species of management concern; running waters of fairly large streams and rivers, especially in stretches with large flat stones (KSNPC).
 - ***Dwarf Burhead** (*Echinodorus tenellus var. parvulus*); plant; federal species of management concern; sandy shores and low fields (KSNPC).
 - ***Smallscale Darter** (*Etheostoma microlepidum*); fish; federal species of management concern; medium to large streams over riffles 0.5 to 0.9 m deep with moderate to swift flow and substrate of gravel and rubble (KSNPC).
 - **American Coot** (*Fulica americana*); lakes, ponds, marshes and large rivers and adjacent lands, with calm open water with algae and aquatic vegetation present (NatureServe).
 - ****Pocketbook Mussel** (*Lampsilis ovata*); considered a large river species, but occurs in medium-sized streams in gravel, sand, or even mud and in deep water (6-10 feet or more) in current from sand or gravel (KSNPC).
 - ****Southeastern Myotis** (*Myotis austroriparius*); primarily caves for hibernacula and summer maternity and roosting sites (KSNPC).
 - ****Hairy False Gromwell** (*Onosmodium hispidissimum*); plant; prefers well drained upper slopes in open areas such as old fields and pastures (NatureServe).
 - ****Littlewing Pearlymussel** (*Pegias fabula*); federal endangered though not listed by USFWS as present in Christian County; Small to medium-size streams with cool water. Found in pools and riffles on and sometimes buried in sand and gravel substrate or under large rocks (KSNPC).
 - **Double-crested Cormorant** (*Phalacrocorax auritus*); Lakes, ponds, rivers, lagoons, swamps; nests on the ground or in trees (NatureServe).
 - ****Pied-billed Grebe** (*Podilymbus podiceps*); Lakes, ponds, sluggish streams, and marshes; also in brackish bays and estuaries in migration and when not breeding (KSNPC).
 - ***Hall's Bulrush** (*Schoenoplectus hallii*); federal species of management concern and proposed candidate species; naturally associated with littoral zones of ponds but also seasonally wet depressions that may be heavily disturbed (KSNPC).
 - **Red-breasted Nuthatch** (*Sitta canadensis*); Coniferous and mixed forest, aspen woodland; in migration and winter also in deciduous forest, open woodland, parks, scrub, and riparian woodland (NatureServe).
 - ****Purple Lilliput mussel** (*Toxoplasma lividum*); federal species of management concern; headwaters of small to medium sized rivers, collected from various substrates including sand, mud, and gravel or cobbles and boulders in riffles or flats immediately above riffles (NatureServe).

2.6.2.2 State-Threatened

- ***Blue-winged Teal** (*Anas discors*); Marshes, ponds, sloughs, lakes and sluggish streams; in migration and when not breeding, in both freshwater and brackish situations (KSNPC).
- ****Lark Sparrow** (*Chondestes grammacus*); open situations with scattered bushes and trees, prairie, forest edge, cultivated areas, orchards, fields with bushy borders, and savanna (KSNPC).
- **Bald Eagle** (*Haliaeetus leucocephalus*); breeding habitat most commonly includes areas close to (within 4 km) bays, rivers, lakes, reservoirs, or other bodies of water that reflect the general

availability of primary food sources including fish and waterfowl; nests usually are in tall trees or on pinnacles or cliffs near water (NatureServe).

- **Redspotted Sunfish** (*Lepomis miniatus*); Occurs in well-vegetated swamps, sloughs, bottomland lakes, and low gradient streams (KSNPC).
- ***Compassplant** (*Silphium laciniatum*); prairies and barrens (KSNPC).
- ****Kentucky Creekshell mussel** (*Villosa ortmanni*); federal species of management concern; primarily found in large rivers with gravel cobble bottoms; deep flowing riffles and runs with substrates composed of sand, gravel, and some cobble; in smaller to medium-sized streams and rivers in sand, mud, or gravel (NatureServe).
- ***Mountain Creekshell mussel** (*Villosa vanuxemensis*); inhabits sand to heterogeneous mixtures in and adjacent to shallow riffles and shoals in slow to fast current of small to medium-sized streams (KSNPC).

2.6.2.3 State Special Concern

Fifteen state-listed special concern species are recorded as known or having the potential to occur in Christian County according to KDFWR and KSNPC. Five of those species are specifically addressed by KSNPC (unpublished data) as having been recorded near the study area, as indicated below.

- **Henslow's Sparrow** (*Ammodramus henslowii*)
- **Cattle Egret** (*Bubulcus ibis*)
- ****Hairy Crayfish** (*Cambarus friaufi*)
- **Shawnee Darter** (*Etheostoma tecumsehii*)
- **Bird-voiced Treefrog** (*Hyla avivoca*)
- ***Barking Treefrog** (*Hyla gratiosa*)
- **Dark-eyed Junco** (*Junco hyemalis*)
- **Evening Bat** (*Nycticeius humeralis*)
- ****Mammoth Cave Crayfish** (*Orconectes pellucidus*)
- **Northern Hairstreak** (*Satyrrium favonius ontario*)
- ****Bewick's Wren** (*Thryomanes bewickii*)
- ****Southern Cavefish** (*Typhlichthys subterraneus*)
- **Barn Owl** (*Tyto alba*)
- **Little Spectaclecase mussel** (*Villosa lienosa*)
- **Bell's Vireo** (*Vireo bellii*)

Due to the extensive size of the study area, the presence of potential habitat for federal and state listed species was not assessed during field survey activities. The KSNPC response (Attachment B15) for this report specifically mentioned several items of concern regarding potential construction activities, specifically:

Karst landscape, the release of pollutants and ease of contamination of groundwater;

Hall's Bulrush (*Schoenoplectus hallii*), proposed as a candidate for federal endangered species list, is a wetland plant and a thorough search of any project area should be conducted by a qualified botanist during its fruiting period of June-September.

Aquatic species and habitats in the area may be sensitive to increase turbidity, sediment and other adverse influences on water quality, with particular mention of Smallscale darter, Mountain Creekshell mussel and Eastern Hellbender, and a recommendation that impacted streams be surveyed for these species prior to any in-stream disturbance.

Gray bat (*Gray myotis*) had been observed within area caves in the past, though not in recent years. A thorough survey, including mist netting census, should be conducted in subsequent project areas if suitable habitat will be disturbed.

2.7 WOODLAND HABITATS

Woodland habitats comprise less than 10 percent of the study area (see discussion in Section 1.2 and Attachment B1). Woodlands occur primarily as segmented lots less than 100 acres in size with no large, continuous tracts of woodland stretching across the landscape. The majority of woodland areas surround larger lakes such as Lake Boxley in the north and stream and river channels or sinkhole areas where topography is less suitable for row crop cultivation. Woodland habitat occurs more frequently in the north and eastern portions of the study area.

2.8 PUBLIC PARKS – SECTION 4(F) AND SECTION 6(F) FACILITIES

Based on review of secondary source information and available aerial mapping 20 parks (Section 4(f) resources) are located in the study area (KDGI, 2007b; KYTC, 2012b; USGS, multiple). Seventeen are operated or owned by the City of Hopkinsville, and one each by the City of Pembroke, Christian County and Hopkinsville Community College. All but one of these parks lies within the urbanized area and city limits of Hopkinsville. No state or federal managed areas, parks, forests or preserves (other Section 4(f) resources) occur within the study area.

Eight separate facilities in the study area were identified as having received Land and Water Conservation Fund (LWCF) grants (Section 6(f) resources; NPS, 2012a; Attachment B17). Table 1 below lists all mapped parks and facilities identified in the study area along with an indication of their receiving LWCF grant funding.

Close coordination with the appropriate official with jurisdiction over the Section 4(f) facility will be required if a determination of use of the property by a subsequent transportation project is found to apply.

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Table 1. Parks and Public Recreation Facilities Identified in the Study Area.

Park Name	Address	Owner	LWCF Grant
Boys and Girls Club (Walnut Street Center/Park)	1600 Walnut Street	City of Hopkinsville	X
DeBow Recreational Complex (North Drive Community Center & Thomas Street Recreation Center)	North Drive at Thomas Street, 2600 Thomas Street	City of Hopkinsville	X
East 18 th Street Park	East 18 th and South Campbell Streets	City of Hopkinsville	
East 2 nd Street Park	East 2 nd near Brown Street	City of Hopkinsville	
Ft Campbell Memorial Park (Gander Park)	Fort Campbell Boulevard and Breathitt Parkway	City of Hopkinsville	
Jeffers Bend Environmental Center & Botanical Gardens	North Main Street and Metcalf Lane	Hopkinsville Water Environment Authority	
Joe Mumford Park	Woodmill Road at Durrett Ave	City of Hopkinsville	
Little River Greenway (Library Park)	West 9 th Street to Phelps Ave	City of Hopkinsville	
Little River Park	Bethel Street between 7 th and 9 th Streets	City of Hopkinsville	X
Peace Park	East 9 th and South Campbell Streets	City of Hopkinsville	
Pembroke City Park	Clara Drive	City of Pembroke	X
Round Table Park	North Elm Street & Talbert Drive	Hopkinsville Community College	
Ruff Park	North Drive at Litchfield Drive	Christian County Fiscal Court	X
Tie Breaker Park & Family Aquatic Center	9501 & 9503 Eagle Way Bypass	City of Hopkinsville	X
Trail of Tears Park	100 Trail of Tears Drive	City of Hopkinsville	X
Virginia Park	East 9 th and South Campbell Streets	City of Hopkinsville	
West 1 st Street Park (Fitness Trail Park)	West 1 st Street and Riverfront Drive	City of Hopkinsville	
West 18 th Street Park (Hospital Park)	West 18 th Street	City of Hopkinsville	
Western Hills Golf Course	2160 Russellville Road	City of Hopkinsville	X
Westside Park	533 West 9 th Street	City of Hopkinsville	

3.0 HUMAN ENVIRONMENT

Through review of secondary source information (ESRI, 2012; USGS, multiple), the following social and economic resources were identified in the study area (Attachment A3):

3.1 SOCIAL AND ECONOMIC RESOURCES

Cemeteries – Twenty-eight cemeteries are mapped as occurring in the study area. Nineteen are shown only on USGS topographic maps indicating they may be historical or are small, unnamed cemeteries often occurring as a family burial plot or associated with small, rural churches. The nine prominent, named cemeteries include:

- Cave Spring Cemetery, Greenville Road, Hopkinsville
- Fox Cemetery, Palmyra Road, Christian County
- Gray Cemetery, US 68, Christian County
- Kentucky Veterans Cemetery West, Hopkinsville
- Mason Cemetery, Rosetown Road, Pembroke
- Rawlins Cemetery, Pembroke Road, Pembroke
- Riverside Cemetery, North Main Street, Hopkinsville
- Rosedale Cemetery, South Main Street, Pembroke
- Union Cemetery, Rosetown Road, Pembroke

Churches – Twenty-five churches are mapped as occurring in the study area. These churches are spread throughout the study area and typically represent the larger, more well-known and longer established congregations. It is suspected that many smaller churches and worship centers will be present in the study area but will not show up through readily available GIS information. Due to limited information available a list of these facilities is not presented, though each facility is mapped on Attachment A3.

Fire Departments and Emergency Services – Six fire departments and one emergency operations center are mapped in the study area, including:

- Highland Volunteer Fire Department, 144 Highland School Road, Hopkinsville
- Hopkinsville Fire Department #1, 116 W 1st St, Hopkinsville
- Hopkinsville Fire Department #2, 1188 Skyline Drive, Hopkinsville
- Hopkinsville Fire Department #3, 3203 Canton Pike, Hopkinsville
- Hopkinsville Fire Department #4, 9505 Eagle Way Bypass, Hopkinsville
- Pembroke Volunteer Fire Department, 118 Maple Street, Pembroke
- Christian County Emergency Operations Center, 512 Weber Street, Hopkinsville

Hospitals – Three hospitals are mapped in the study area, including:

- Cumberland Hall, 210 W 17th Street, Hopkinsville
- Jennie Stuart Medical Center, 320 W 17th Street, Hopkinsville
- Western State Hospital, 2400 Russellville Road, Hopkinsville

Law Enforcement – Five law enforcement agencies are mapped within the study area, including:

- Christian County Constable – District 5, 3500 Bahama Drive, Hopkinsville
- Christian County Police Department, 501 South Main Street, Hopkinsville
- Christian County Sheriff's Office, 216 W 7th Street, Hopkinsville
- Hopkinsville Police Department, 112 W First Street, Hopkinsville
- Pembroke Police Department, 222 South Main Street, Pembroke

Schools, Institutions and Learning Centers – Twenty-five schools are mapped as occurring in the study area, including:

- Audubon Area Headstart, 731 E Second Street, Hopkinsville
- Belmont Elementary School, 814 Belmont Street, Hopkinsville
- Christian County Alternative School, 200 Glass Ave, Hopkinsville
- Christian County Area Technology Center, 705 North Elm Street, Hopkinsville
- Christian County Day Treatment Center, 731 E Second Street, Hopkinsville
- Christian County High School, 220 Glass Ave, Hopkinsville
- Christian County Middle School, 210 Glass Ave, Hopkinsville
- Cumberland Hall School, 210 W 17th Street, Hopkinsville
- Heritage Christian Academy, 8349 Eagle Way Bypass, Hopkinsville
- Highland Elementary School, 141 Highland School Road, Hopkinsville
- Holiday Elementary School, 3910 Nassau Circle, Hopkinsville
- Hopkinsville High School, 430 Koffman Drive, Hopkinsville
- Hopkinsville Middle School, 434 Koffman Drive, Hopkinsville
- Indian Hills Elementary School, 313 Blane Drive, Hopkinsville
- Life Tabernacle Christian Elementary, 1306 Blooming Grove, Hopkinsville
- Life Tabernacle Christian High School, 1306 Blooming Grove, Hopkinsville
- Madisonville Tech – Hopkinsville, 705 North Elm Street, Hopkinsville
- Millbrooke Elementary School, 415 Millbrooke Drive, Hopkinsville
- Morningside Elementary School, 313 Morningside Drive, Hopkinsville
- North Drive Middle School, 831 North Drive, Hopkinsville
- Pembroke Elementary School, 1600 Pembroke-Oak Grove Road, Pembroke
- Saints Peter and Paul Elementary, 902 E Ninth Street, Hopkinsville
- University Heights Academy, 1300 Academy Drive, Hopkinsville

- Brown Mackie College-Hopkinsville, 4001 Fort Campbell Boulevard, Hopkinsville
- Hopkinsville Community College, 720 North Drive, Hopkinsville

Industrial Parks – Two industrial parks are located in the study area, including:

- Hopkinsville Industrial Park, southeast of downtown Hopkinsville on US 41; and
- Southpark, on US 41A north of I-24.

Federal Facilities – No federal facilities or federal government owned lands are mapped in the study area.

Golf Courses – Three golf courses are located in the study area, including:

- Hopkinsville Country Club, 303 Country Club Lane, Hopkinsville
- The Links at Novadell, 500 Nova Dell Way, Hopkinsville
- Western Hills Municipal Golf, 2160 Russellville Road, Hopkinsville

3.2 ARCHAEOLOGICAL AND CULTURAL HISTORIC RESOURCES – SECTION 106 AND SECTION 4(F) RESOURCES

Information concerning archaeological and cultural historic resources in the vicinity of the project study area was obtained in part by data request made directly to the Kentucky Office of State Archaeology (KOSA). A summary of key findings is provided below. Section 106 review under the Historic Preservation Act and evaluation and coordination with the Federal Highway Administration under Section 4(f) of the Department of Transportation Act of 1966 will be required if any archaeological or cultural historic resources are identified and impacted by the project.

3.2.1 Archaeological Resources

Review of information provided by the Kentucky Office of State Archaeology data request response reported there are 205 previously recorded archaeological sites within the study area, two of which are listed on the National Register of Historic Places and one considered eligible for inclusion on the National Register (KOSA, 2012; Attachment B18). Specific site and location information on archaeological sites are not released by KOSA and are therefore not shown on the Environmental Footprint mapping (Attachment A3).

Approximately 30 percent of the study area has been surveyed for archaeological resources, within which the 205 previously recorded archaeological sites are located. Previous archaeological project areas are mapped on Attachment A3. With the number of previously recorded archaeological sites present in the study area, it is highly likely that as-yet undiscovered sites are also present. Areas which have not been previously surveyed may require a Phase I archaeological site investigation during project development to determine the presence or absence of archaeological resources. The requirement of such a survey would be determined through coordination with the Kentucky Office of State Archaeology.

3.2.2 Cultural Historic Resources

Review of National Register of Historic Places information (NPS, 2012b) indicates 27 NRHP registered historic properties and five historic districts are present in the study area, including:

Properties/Places:

- Beverly School, Off SR 107, Christian County
- Blue Lantern Farm, US 68, Hopkinsville
- Boatright House, Off US 41, Hopkinsville
- Bradshaw House, Off SR 107, Christian County
- Confederate Memorial Fountain in Hopkinsville, 3 blocks north of junction of US 41 and Main Street, Hopkinsville
- Crockett, Judge Joseph, House, 317 E 16th Street, Hopkinsville
- Dalton Brick Company, 2108 S Main, Hopkinsville
- Dalton, Monroe, House, 713 E 7th Street, Hopkinsville
- Elk Grove Farm, Off US 41A, Christian County
- Fairelond, 1303 E 7th Street, Hopkinsville
- Freeman Chapel C.M.E. Church, 137 S Virginia Street, Hopkinsville
- Gary, John C., House, Gary Lane south of SR 695, Christian County
- Genoa, Palmyra Road, Howel
- Grace Episcopal Church, 220 E 6th Street, Hopkinsville
- Higgins, E.H., House, 1530 E 7th Street, Hopkinsville
- Hopkinsville L&N Railroad Depot, 425 E 9th Street, Hopkinsville
- Hopper Court, Hopper Court (street), Hopkinsville
- Knight, J.B., House, 1417 E 7th Street, Hopkinsville
- Latham Confederate Monument, Riverside Cemetery, Hopkinsville
- Poston House, 809 Hayes Street, Hopkinsville
- Rich Grove, off SR 109, north of Hwy 1027, Christian County
- Ritter House, off US 41A, Hopkinsville
- Walker, E.W., House, 1414 E 7th Street, Hopkinsville
- Western Lunatic Asylum, US 68, Hopkinsville
- Whitepath and Fly Smith Gravesite, Hopkinsville
- Woodlawn, Off US 41A, Christian County
- Yost, Frank K., House, 1131 E 7th Street, Hopkinsville

Historic Districts:

- Alumni—Latham—Mooreland Historic District, Alumni Ave, Latham Ave and Mooreland Drive, Hopkinsville
- East 7th Street Historic District, roughly bounded by E 7th Street from Campbell to Belmont Streets, Hopkinsville
- Hopkinsville Commercial Historic District, roughly bounded by L&N RR, 10th, 5th and Bethel Streets, Hopkinsville
- Hopkinsville Residential Historic District (and Boundary Increase), multiple locations, Hopkinsville

- Hopkinsville Warehouse Historic District, roughly along Harrison Street and RR tracks from 2nd to 21st Streets, Hopkinsville

A request for information concerning state-registered cultural historic resources within the study area presented to the Kentucky Heritage Council resulted in no response from that organization. Subsequent attempts at direct communication with the organizations main office were unsuccessful. The lack of information from KHC should not be interpreted as an absence of recorded cultural historic resources within the study area.

A cultural historic survey performed by a KYTC pre-qualified consultant may be required for subsequent projects to determine the presence (and NRHP eligibility) or absence of cultural historic resources in a given project area.

3.3 HAZARDOUS MATERIALS CONCERNS

Properties with hazardous material concerns were identified through review of readily available state and federal database records. Federal and state regulatory database records research was provided in part by FirstSearch Technology Corporation (2012), in addition to a review of the Kentucky Statewide UST Database Report (KDWM, 2011b), Kentucky Solid Waste Facilities GIS information (KDWM, 2011a), and USEPA Envirofacts Data Warehouse information (2012a).

Records of most concern identified include two CERCLIS (USEPA Superfund) sites, one RCRA COR ACT (USEPA Corrective Action) site, two RCRA TSD (USEPA Treatment, Storage, and Disposal) sites, three solid waste landfills and 33 LUST (Leaking Underground Storage Tank) sites.

3.3.1 Underground Storage Tanks

The occurrence of Underground Storage Tanks (UST's) within the study area boundaries was determined through a review of state UST (KDWM, 2011b) and State Petroleum Cleanup LUST (Leaking Underground Storage Tank; FirstSearch Technology Corporation, 2012) databases. The database reviews identified 149 UST sites (492 total records; Attachment B19) and 33 LUST sites (Attachment B20) located within the study area.

A Phase I survey for UST's and potentially contaminated soils will need to be conducted if subsequent transportation projects should impact any of these properties.

3.3.2 USEPA Regulated Sites

The occurrence of USEPA regulated sites and incident reports in the vicinity of the study area was determined through review of the USEPA Envirofacts Data Warehouse (USEPA, 2012) and the FirstSearch Technology Corporation (2012) regulatory database search of the following databases:

USEPA NPL (National Priority List-Active and Delisted); CERCLIS (Comprehensive Environmental Response Compensation and Liability Information System – Superfund); NFRAP (CERCLIS Archived Sites); RCRA (Resource Conservation and Recovery Act: Generators, Corrective Action, Treatment Storage and Disposal Facilities); Brownfields; ACRES (Assessment, Cleanup and Redevelopment Exchange System); AIRS/AFS (Aerometric Information Retrieval System/AIRS Facility Subsystem); Biennial Reporting; PCS (Permit Compliance System); and TRI (Toxics Release Inventory).

STATE Sites (State LEADS List); SWL (Permitted Operating Landfills); LUST (Senate Bill 193); and Brownfields.

Review of data indicated the following USEPA regulated facilities are present in the study area. See Attachment B21 for a listing of identified facilities beyond those presented below:

CERCLIS (Superfund): 2 records;

- Butler Road Mercury Spill, 3915 Butler Road, Hopkinsville; No specific information available.
- Gray PCB, 1012 Moayon Dr, Hopkinsville; cleaned up 1991 via removal; No Further Remedial Action status 1990.

RCRA (Resource Conservation and Recovery Act; Hazardous Materials Generators, Corrective Actions, Treatment Storage or Disposal Facilities): 1 record of Corrective Action and 2 records Treatment Storage or Disposal;

- Hopkinsville Stone Company, 41 Main St, Hopkinsville; Corrective Action regarding manufacturing involving chromium, 5 events, all resolved;
- Hopkinsville Stone Company, 41 Main St, Hopkinsville; TSD regarding land disposal facility incinerator, 6 events, 5 resolved (financial responsibility requirements unresolved).
- OmniTech, Inc., 1808 Dawson Springs Rd, Hopkinsville; TSD, regarding land disposal facility incinerator, 11 events, all resolved;
- 82 additional records of RCRA generators.

PCS (Permit Compliance System/Water discharge sites): 55 records of facilities with federally registered permits to discharge waste water to a stream.

TRI (Toxic Release Inventory): 24 records of facilities which use, manufacture, treat, transport, or release in to the environment registered toxic chemicals.

AIRS (Aerometric Information Retrieval System): 51 records of facilities with federally registered permits to discharge pollutants to the air.

3.3.3 Oil and Gas Wells

Oil and gas well locations in the vicinity of the study area were identified through review of information from the Kentucky Geological Survey, Geologic Information Service (KGS, 2012c). Eighteen oil and gas wells are located within the study area, with two in active production (Attachment A3). Christian County has 2,451 oil and gas wells with the majority being in the northeast corner of the county.

3.3.4 Landfills

Review of information from Kentucky Environmental and Public Protection Cabinet, Division of Waste Management (KDWM), Solid Waste Branch indicated there are three active solid waste facilities in the study area (KDWM, 2011a), including:

- City of Pembroke Landfill, Hailes Ave, Pembroke; governmental residential;
- Nell Stokes, North Main Street, Pembroke; non-governmental;
- Western State Hospital, US 68 East, Hopkinsville; governmental.

The regulatory database reports (FirstSearch Technology Corporation, 2012) lists fifteen additional solid waste landfills in the vicinity of the study area (Attachment B20), comprising six operating, seven inactive and two proposed sites, reported as:

- Burkhead and Scott, Inc., 2497 Greenville Rd, Hopkinsville; operating/active;
- Christian County Convenience Center, E Mt Zoar Rd, Hopkinsville; operating
- Christian County Convenience Center, E Mt Zoar Rd, Hopkinsville; proposed/approved;
- City of Trenton WWTP, Wastewater Road, Trenton; operating;
- Hopkinsville Composting Facility, 1500 Cedar Ave, Hopkinsville; operating;
- Hopkinsville Water Environmental Authority, 1300 Vine St, Hopkinsville; operating;
- Hopkinsville Water Environmental Authority, Gary Ln, Hopkinsville; operating;
- Browns Tires, address unknown, Hopkinsville; inactive/terminated;
- Clarke Petroleum Electronics, Madisonville Rd, Hopkinsville; inactive
- D and J Tire Disposal, 1728 Greenville Rd, Hopkinsville; inactive/terminated;
- Miles Caughey, 7309 Binns Mill Rd, Herndon; inactive/terminated
- Ralph Combs Landfill, KY 1027, Pembroke; inactive/terminated
- Recycling Center Inc., Broad Street, Pembroke; inactive/terminated;
- Williams Recycling, 3255 Old Madisonville Rd, Hopkinsville; inactive;
- Grupo Antolin KY, 208 Commerce Ct, Hopkinsville; proposed.

3.3.5 Additional Hazardous Materials Concerns

Review of water well information (KGS, 2012b) indicated there are 17 water wells in the study area listed as monitoring wells under state-level Superfund regulatory authority. These wells are mapped (Attachment A3) at six different locations:

- Three locations near the industrial park along US 41 southeast of downtown Hopkinsville (9 wells owned by EMS-Togo Corp and 1 well owned by Phelps Dodge Magnet Wire Corp);
- Two locations in downtown Hopkinsville along South Clay Street between 12th and 16th near existing railroad tracks in an industrial area (5 wells owned by Texaco Refining & Marketing Inc.); and
- One location on the west side of Hopkinsville near Gilbert Drive in an industrial area (two wells owned by Thomas Industries Inc.).

These ambient monitoring wells are listed under Commonwealth of Kentucky Superfund regulatory authority and represent on-going monitoring of previous spills or soil or groundwater contamination actions under the authority of the Kentucky Division of Waste Management. As such, A Phase I survey for potentially contaminated soils may need to be conducted if subsequent transportation projects impact any of these properties.

3.4 AGRICULTURE

Review of 2007 Agricultural Census data from the United States Department of Agriculture (USDA) indicates that Christian County is ranked 11th out of 120 Kentucky counties in agricultural production value, with the typical agricultural practices of corn (90,833 acres) and soybean (48,858 acres) (USDA, 2007), with grains also having the largest value in sales. Review of soil data information of the project study area (USDA, 2012b) indicated that prime farmland soils cover approximately 90 percent of the study area (Attachment B22), even though significant areas are not in agricultural land uses (e.g. residential and commercial developments in city limits).

Aerial photography review indicated that agricultural lands are widespread in the study area outside of the city limits of Hopkinsville. This pattern is typical of primary cities in relatively rural counties, as urban/suburban spread is rapidly annexed within city boundaries to provide relevant public services.

Subsequent transportation projects affecting existing farmland will require coordination with the local NRCS office regarding the completion of Farmland Conversion Impact Rating assessments and potential impacts to farmland and prime farmland soils.

3.5 MINING

The presence of mines or quarries in the study area was investigated through review of information from the Kentucky Department for Natural Resources (Division of Mine Permits, Division of Mine Reclamation and Enforcement, and Division of Abandoned Mine Lands; KDNR, 2012), Kentucky Geological Survey (KGS, 2012a) and review of aerial photography. Review of secondary source information indicated no active mines in the study area, with the closest mining activity present in the northern part of Christian County.

One active quarry is present in the study area, a limestone quarry located along US 41A south of Hopkinsville. Five old quarries are mapped on USGS maps throughout the study area. Four appear to exist in part as lakes with some commercial/industrial activities adjacent, and one is under agricultural use.

There are no mined out areas mapped within the study area. Christian County is covered by the Division of Abandoned Mine Lands' Madisonville field office.

3.6 AIR QUALITY AND NOISE

Due to the large extent of the study area and non-specific project focus of this report, air quality and noise issues are treated on a general, county wide level of discussion.

3.6.1 Air Quality

Review of available USEPA Green Book data (USEPA, 2012b) indicated Christian County and the surrounding counties are not listed for any criteria pollutants. The Kentucky Transportation Cabinet (KYTC), Division of Planning's Air Quality Modal Program does list Christian County as an Air Quality Maintenance Area for *8-Hour Ozone* as of July 2012 (KYTC, 2012a).

3.6.2 Noise

Noise-sensitive receptors as identified per KYTC's Noise Analysis and Abatement Policy (KYTC, 2011) are present throughout the study area, including specified activity categories (land uses) of:

Category B	Residential areas, exterior;
Category C & D	Active sport areas, cemeteries, hospitals, parks, picnic areas, places of worship, playgrounds, Section 4(f) sites, schools, exterior and interior;
Category E	Hotels, motels, offices, restaurants/bars, etc., exterior;

Project specific traffic noise impact analyses may need to be conducted to identify and mitigate traffic noise impacts as subsequent transportation projects are developed.

3.7 ADDITIONAL ITEMS OF CONCERN

3.7.1 MS4

The City of Hopkinsville is regulated as a Small Municipal Separate Storm Sewer System (MS4) with a Phase II NPDES permit from KDOW (KYTC, 2012b). The MS4 regulated boundary includes the incorporated boundaries of Hopkinsville and Oak Grove (Attachment B23). As such, subsequent projects which develop from this report should be coordinated with the MS4 coordinator for each respective city to ensure construction activities and stormwater BMP's comply with the conditions of the MS4 permit.

3.7.2 Airports

The Hopkinsville-Christian County Airport is present in the study area, located on the south side of US 68 east of downtown Hopkinsville. The Campbell Army Air Field is located just south of the study area at Fort Campbell, indicating that the airfield's restricted air space may extend into the study area.

3.7.3 Sensitive Water Areas

The KYTC Environmental Viewer website application (KYTC 2012b) marks three separate areas within the study area as "Sensitive Water Area", and to contact the KYTC District 2 Environmental Coordinator for more details. The three mapped locations (Attachment B23) are:

1. US 41A crossing of South Fork Little River south of Hopkinsville;
2. US 68 crossing of an un-named tributary to South Fork Little River, just west of the US 68/US 68B intersection; and
3. West Fork of Red River from Tennessee state line upstream to US 41 crossing in Todd County.

REFERENCES

ENVIRONMENTAL OVERVIEW

Hopkinsville Small Urban Area Study
Christian County, Kentucky

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ENVIRONMENTAL OVERVIEW

Hopkinsville Small Urban Area Study
Christian County, Kentucky

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Hopkinsville Small Urban Area Study
Christian County, Kentucky

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Hopkinsville Small Urban Area Study
Christian County, Kentucky

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ENVIRONMENTAL OVERVIEW

Hopkinsville Small Urban Area Study
Christian County, Kentucky

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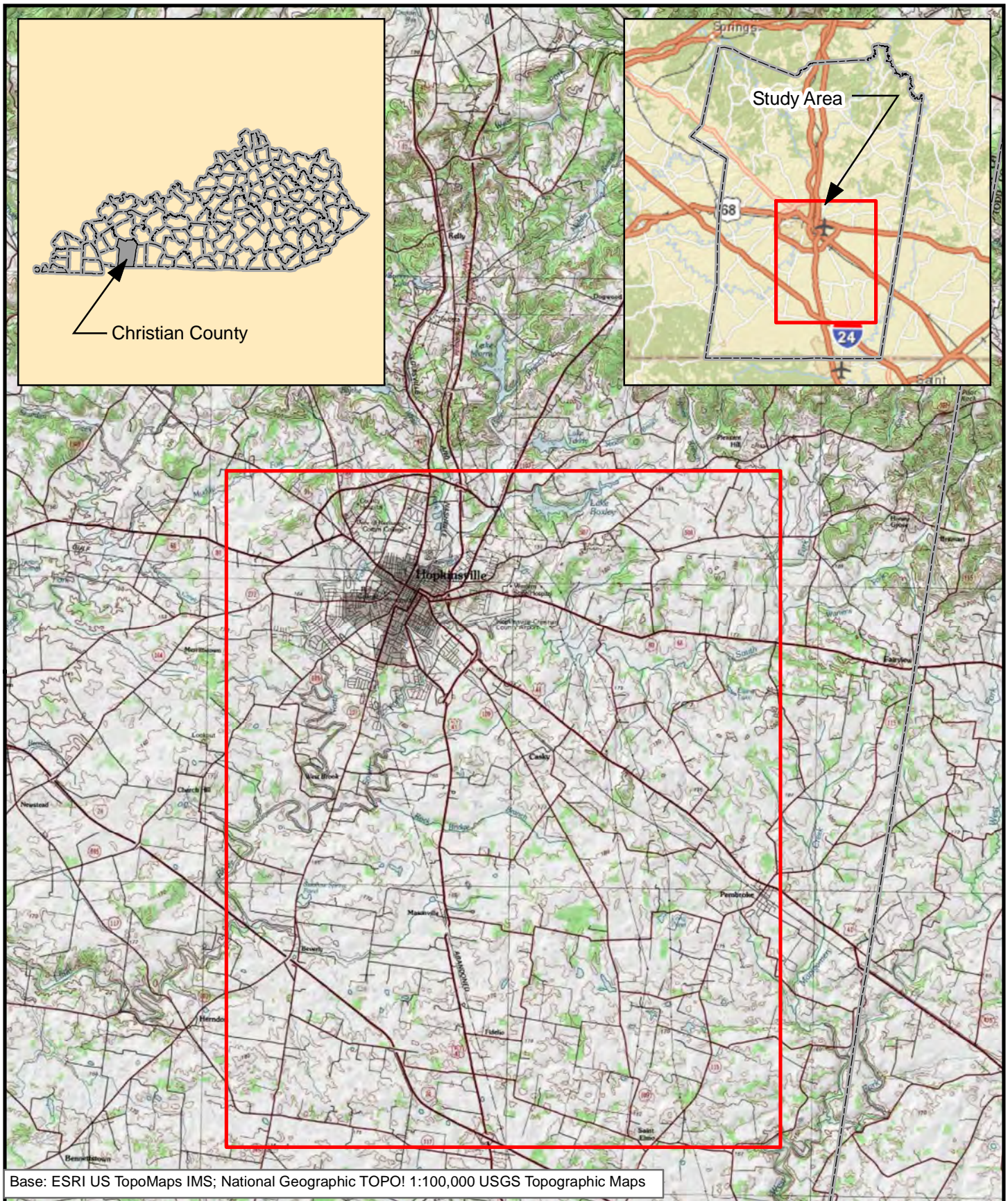
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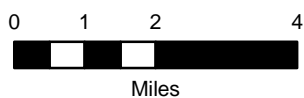
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ATTACHMENT A

- A1. Project Location Map**
- A2. Environmental Footprint, Natural Environment**
- A3. Environmental Footprint, Human Environment**
- A4. Environmental Footprint on USGS Base**



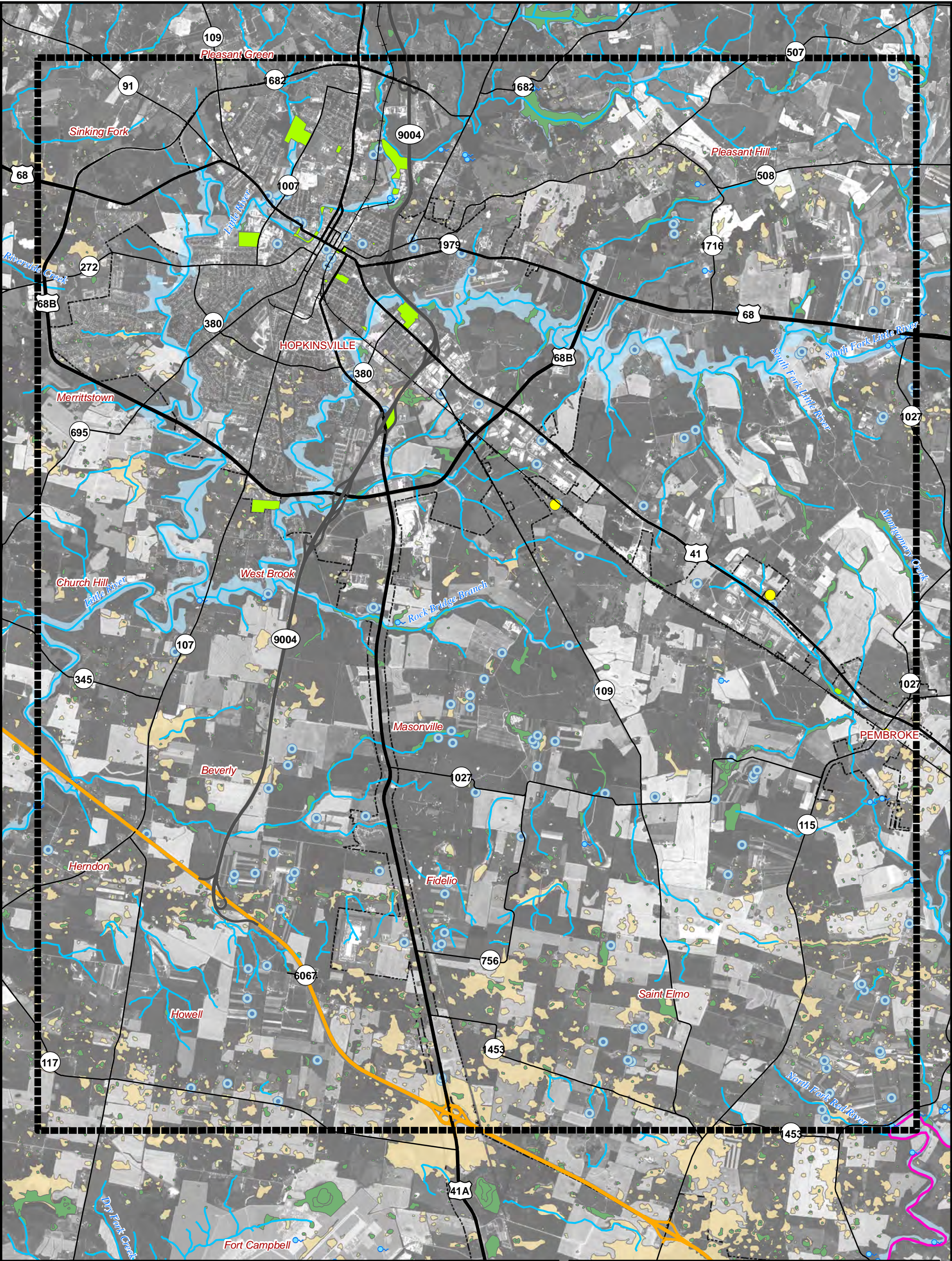
Base: ESRI US TopoMaps IMS; National Geographic TOPO! 1:100,000 USGS Topographic Maps



September 2012

ENVIRONMENTAL OVERVIEW **Hopkinsville Small Urban Area Study** **Christian County, Kentucky**

ATTACHMENT A1 **Project Location** **Map**



Legend

- | | | |
|------------|--------------------------|-----------------------|
| Study Area | KDOW Special Use Waters | NWI Wetland |
| Interstate | Streams | Sinkholes |
| US Route | FEMA 100 Year Floodplain | Lake |
| Parkway | Spring | Parks |
| KY Route | Water Wells | City Boundary |
| Railroad | Non-Public | Military Installation |
| | Public | |

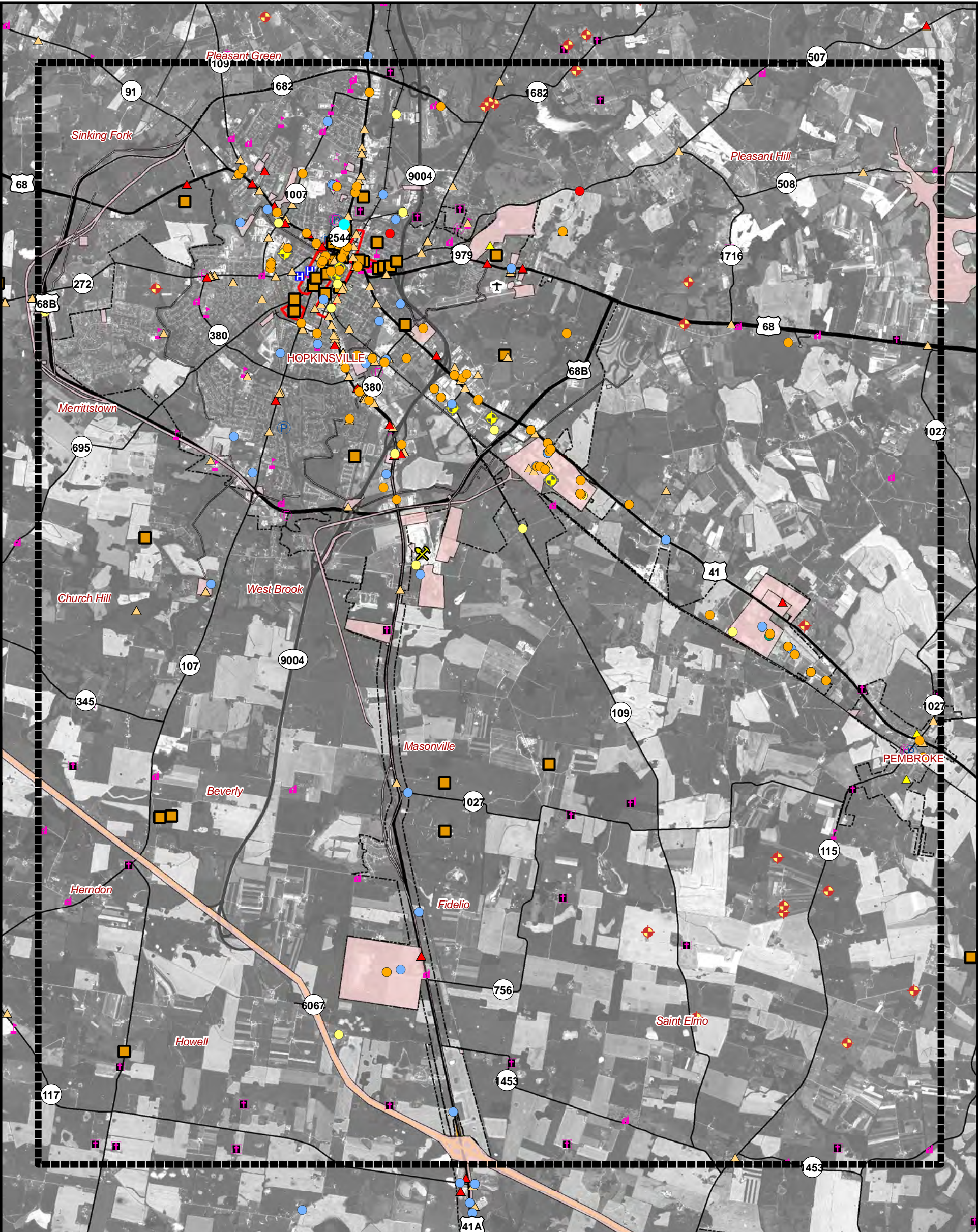


September 2012



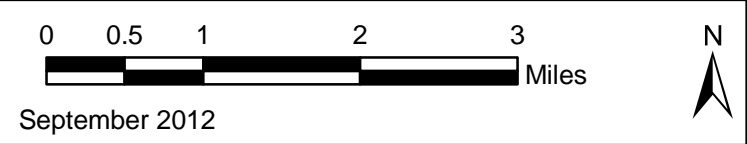
ATTACHMENT A2
Environmental Footprint
NATURAL ENVIRONMENT

ENVIRONMENTAL OVERVIEW
Hopkinsville Small Urban Area Study
Christian County, Kentucky



Legend

- | | | | |
|--|----------------------------------|--|----------------------------------|
| | Study Area | | Registered UST |
| | City Boundary | | Recorded LUST |
| | Cemetery | | CERCLIS (Superfund) Site |
| | Church (Limited Dataset) | | RCRA-CORRACTS |
| | Fire Department | | RCRA (Hazardous Waste Generator) |
| | Hospital | | TRI (Toxics Release Reported) |
| | Law Enforcement | | PCS (Waste Water Discharge) |
| | School | | AIRS (Air Emissions) |
| | College/University | | Oil & Gas Wells |
| | KOSA Archaeological Project Area | | Landfill (KDWM) |
| | NRHP Property | | KY Superfund Site |
| | NRHP District | | Mine/Quarry |
| | | | Air Field |










ATTACHMENT A3
Environmental Footprint
HUMAN ENVIRONMENT

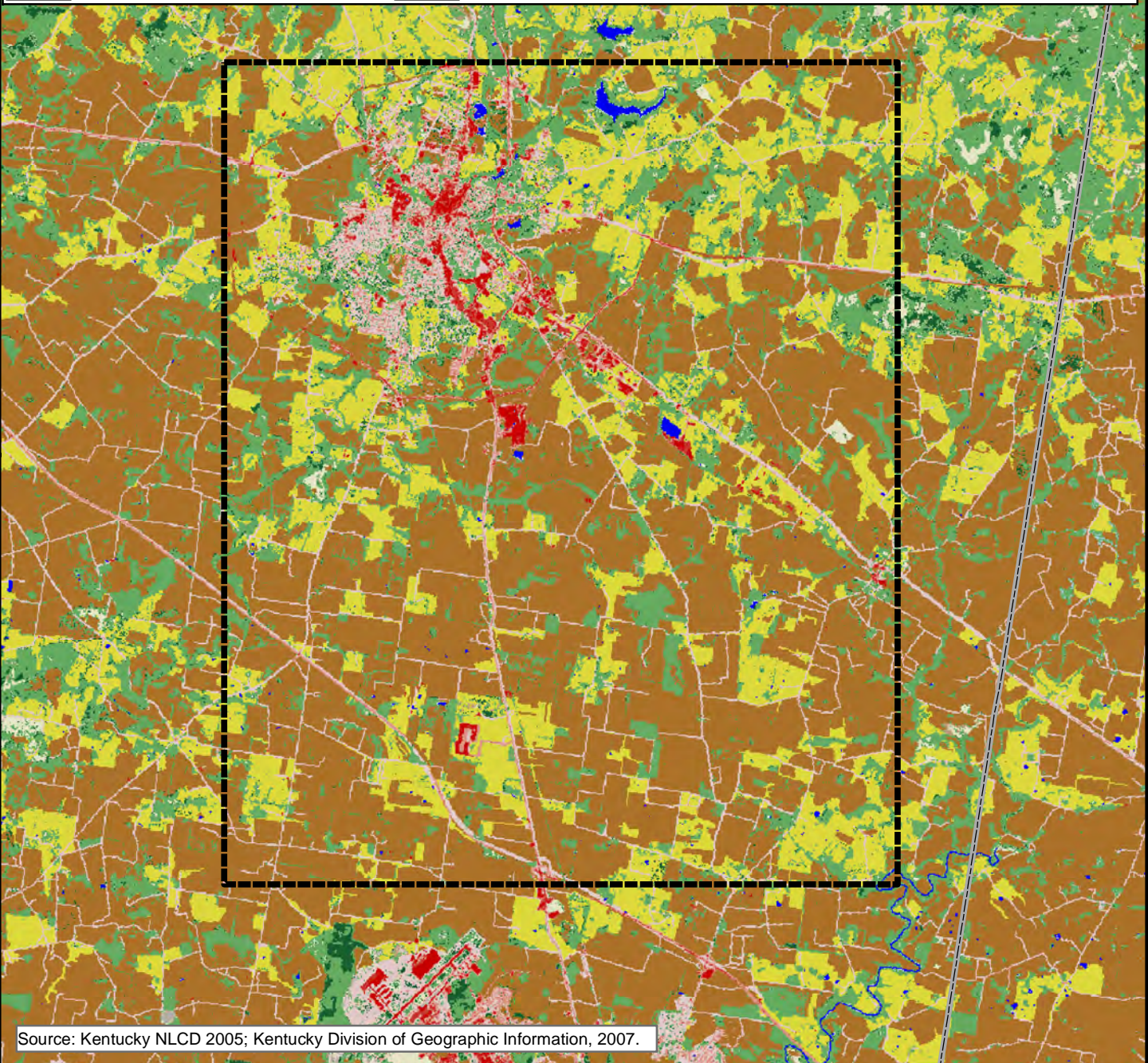
ENVIRONMENTAL OVERVIEW
Hopkinsville Small Urban Area Study
Christian County, Kentucky


ATTACHMENT B
Supplemental Information

- B1. Land Cover (2005 Land Cover Dataset)**
- B2. Physiographic Regions of Kentucky**
- B3. Ecoregions of Kentucky**
- B4. Christian County Geology**
- B5. Christian County Karst Areas**
- B6. Hydric Soils**
- B7. Watersheds and Mapped Streams**
- B8. 100-Year Floodplains and Floodways**
- B9. NWI-Mapped Wetlands**
- B10. Availability of Ground Water in Caldwell, Christian, Crittenden, Livingston, Lyon, Todd and Trigg Counties, Kentucky; HA-34**
- B11. Groundwater Sensitivity Regions of Kentucky**
- B12. Groundwater Resources and Public Water Supplies**
- B13. USFWS Kentucky Ecological Services Field Office List of Endangered, Threatened, & Candidate Species in Christian County, Kentucky**
- B14. KDFWR List of State-Listed Species in Christian County, Kentucky**
- B15. KSNPC Response June 21, 2012**
- B16. USFWS Known *Myotis sodalis* Habitat-Project Vicinity Map**
- B17. NPS Land & Water Conservation Fund Detailed Listing of Grants, Christian County 6/26/2012**
- B18. Kentucky Office of State Archaeology Data Request, Response 6/14/2012 (excerpt)**
- B19. UST Records List Summary**
- B20. *FirstSearch Technology Corporation*, Environmental FirstSearch™ Report (excerpt)**
- B21. USEPA Regulated Facilities Listing**
- B22. Prime and Other Important Farmland Soils**
- B23. KYTC Environmental Overview Map**

Legend

	Study Area		Barren Land		Pasture/Hay
	Open Water		Deciduous Forest		Cultivated Crops
	Developed, Open Space		Evergreen Forest		Woody Wetlands
	Developed, Low Intensity		Mixed Forest		Emergent Herbaceous Wetlands
	Developed, Medium Intensity		Scrub/Shrub		
	Developed, High Intensity		Grassland/Herbaceous		

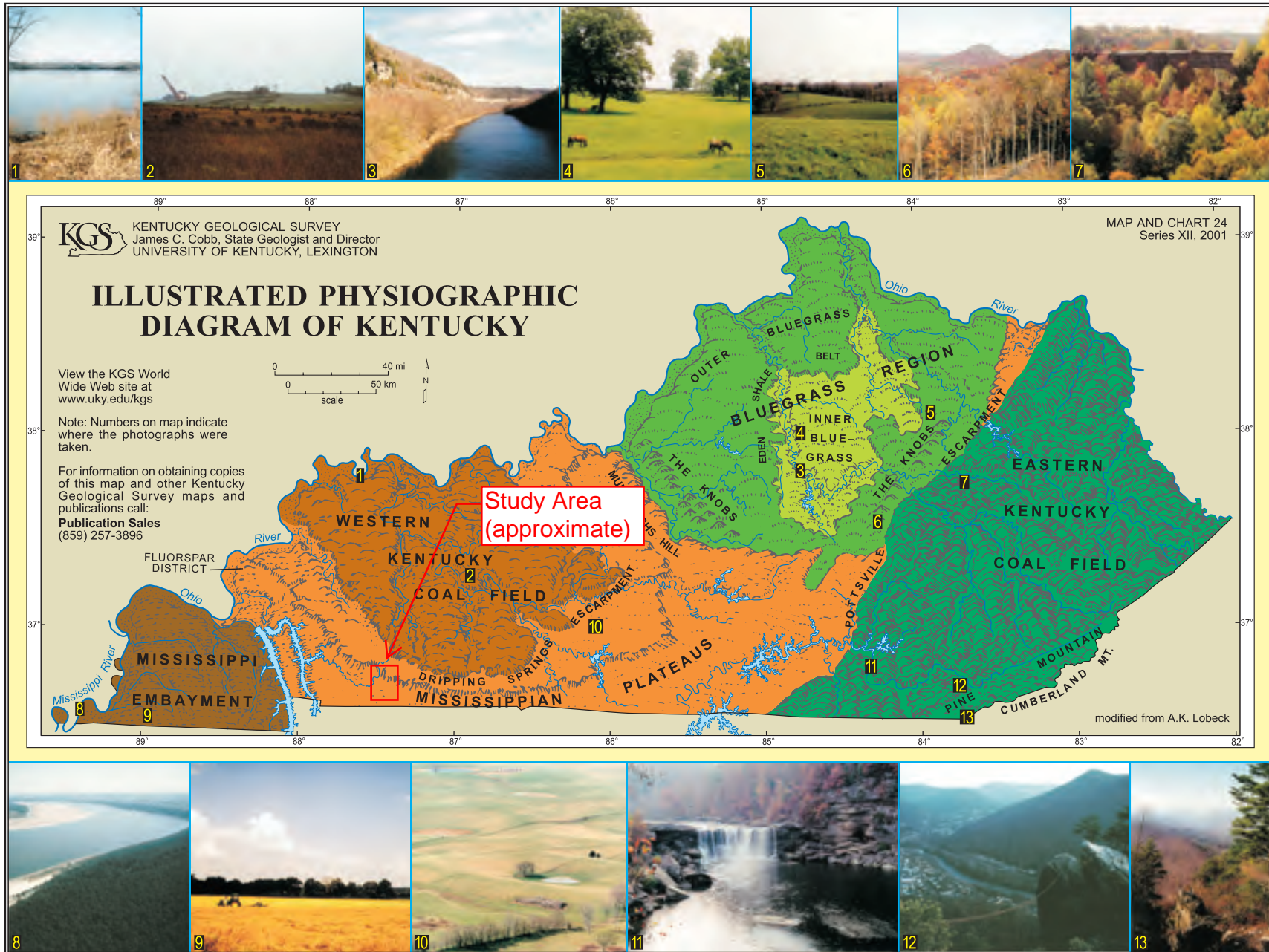


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Miles

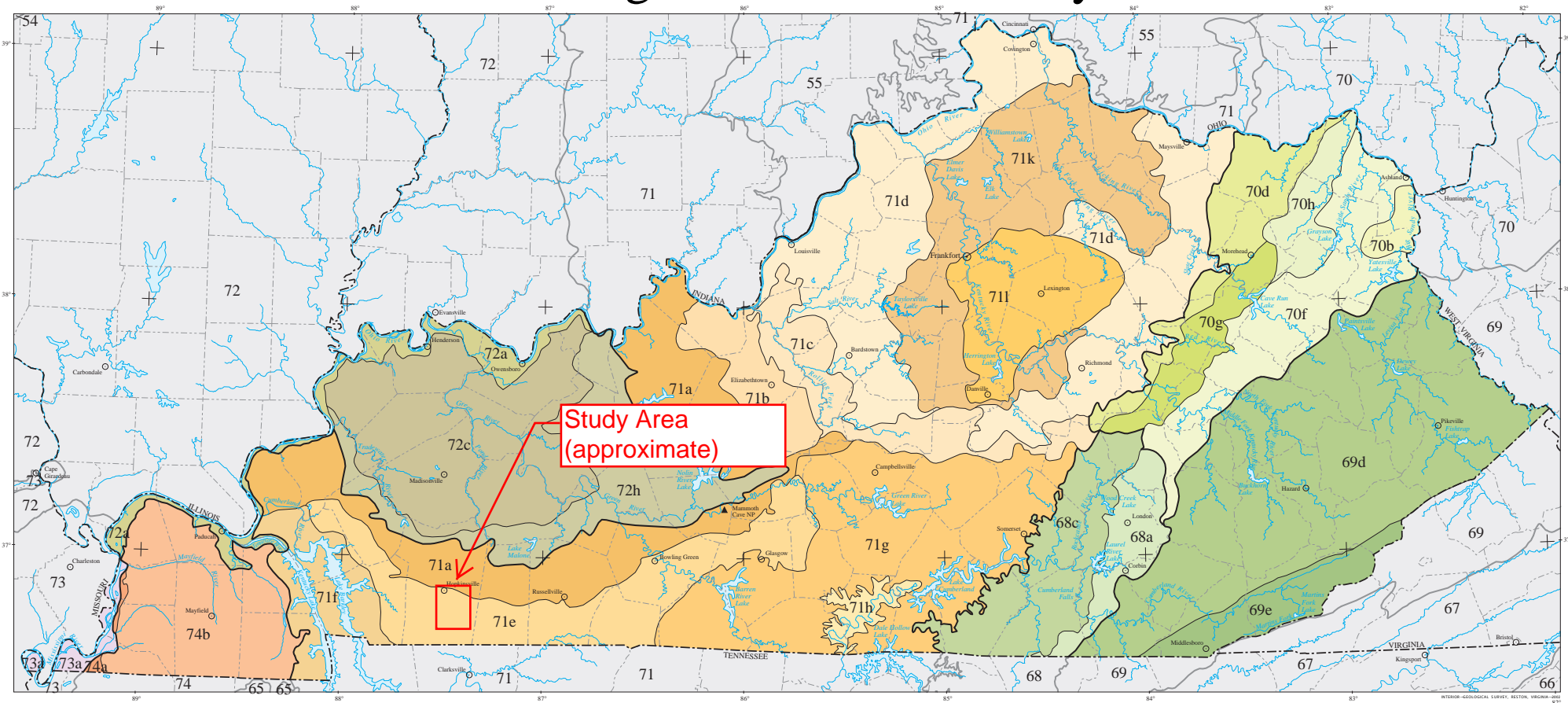
ENVIRONMENTAL OVERVIEW
Hopkinsville Small Urban Area Study
Christian County, Kentucky

ATTACHMENT B1
Land Cover

Physiographic Regions of Kentucky



Ecoregions of Kentucky



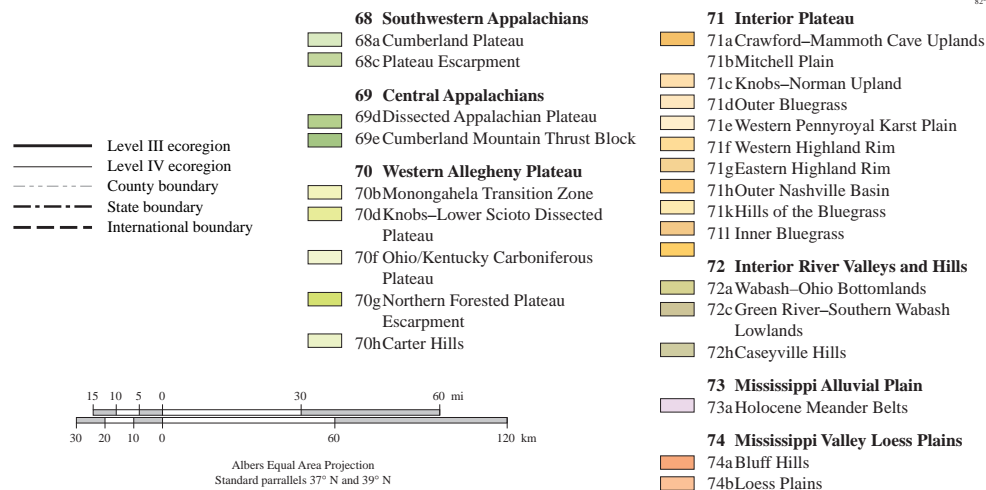
PRINCIPAL AUTHORS: Alan J. Woods (Dynamac Corporation), James M. Omernik (USEPA), William H. Martin (Division of Natural Areas, Eastern Kentucky University), Greg J. Pond (KDEP, Division of Water, Water Quality Branch), William M. Andrews (Kentucky Geological Survey), Sam M. Call (KDEP, Division of Water, Water Quality Branch), Jeffrey A. Comstock (Indus Corporation), and David D. Taylor (USFS).








COLLABORATORS AND CONTRIBUTORS: Terry Anderson (KDEP, Division of Water, Water Quality Branch), John Brumley (KDEP, Division of Water, Water Quality Branch), Julian Campbell (The Nature Conservancy), Thomas R. Loveland (USGS), Jim Harrison (USEPA), and Mike Mills (KDEP, Division of Water, Water Quality Branch).

REVIEWERS: Mike Barbour (Tetra Tech), William S. Bryant (Professor, Department of Biology, Thomas More College), H.R. DeSelm (Emeritus Professor, Department of Botany, University of Tennessee, Knoxville), and Clara Leuthart (Chair and Associate Professor, Department of Geosciences, University of Louisville).

CITING THIS POSTER: Woods, A.J., Omernik, J.M., Martin, W.H., Pond, G.J., Andrews, W.M., Call, S.M., Comstock, J.A., and Taylor, D.D., 2002, Ecoregions of Kentucky (color poster with map, descriptive text, summary tables, and photographs): Reston, VA., U.S. Geological Survey (map scale 1:1,000,000).

This project was partially supported by funds from the USEPA's Office of Research and Development through USEPA Region IV's Regional Ecological Assessment Program (REAP) via contract 68-D-01-0005 to Dynamac Corporation.



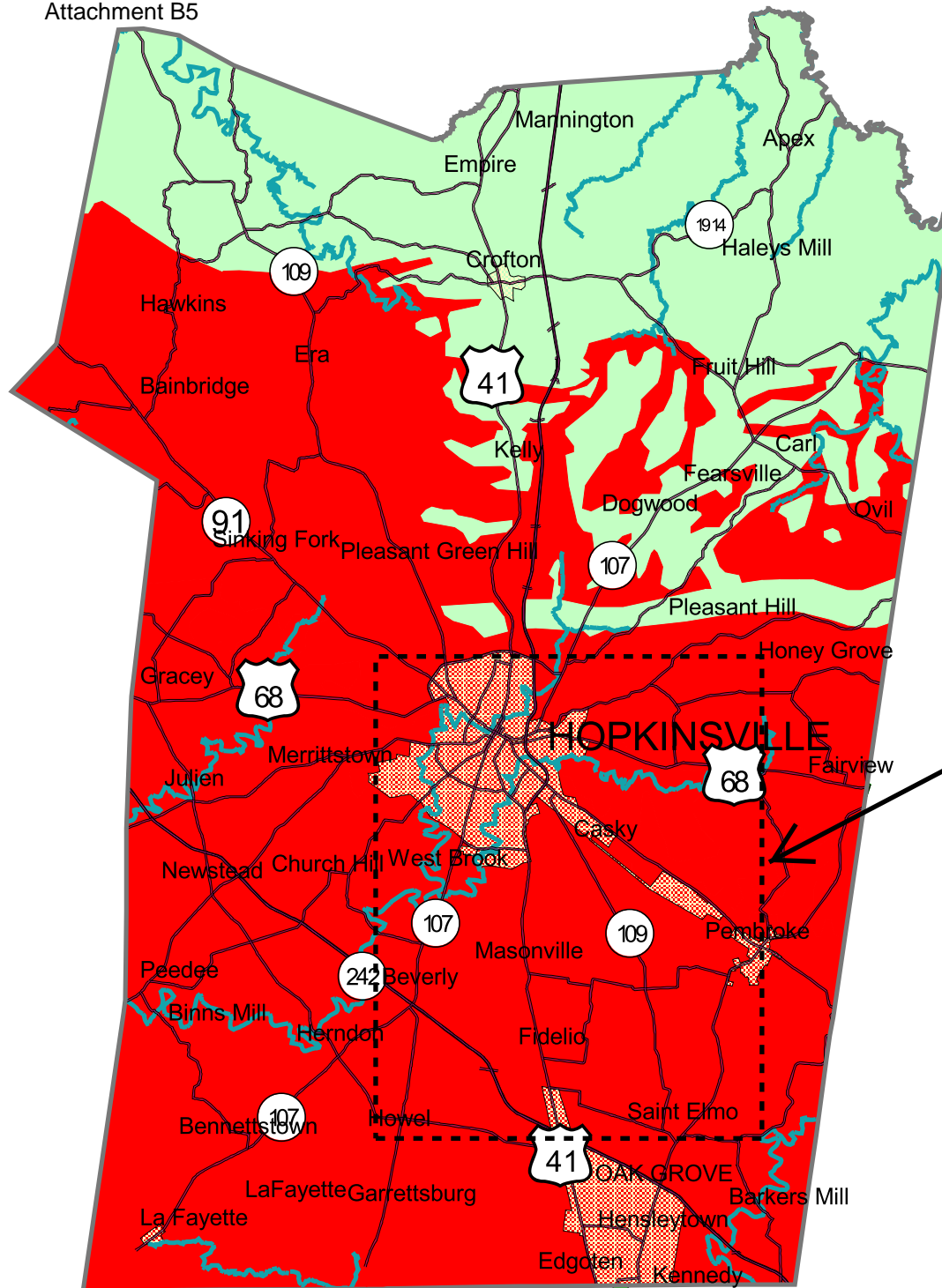
	Alluvium
	Tradewater Formation
	Caseyville Formation
	Upper Chesterian Formations
	Lower Chesterian Formations
	St. Genevieve, St. Louis, Salem Limestones
	Water

Study Area
(approximate)



Christian County Karst Areas

(Source: Geologic Map of Kentucky, Scale, 1:500,000)





 Intense Karst
 Non-karst

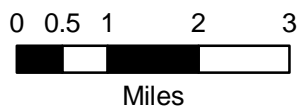
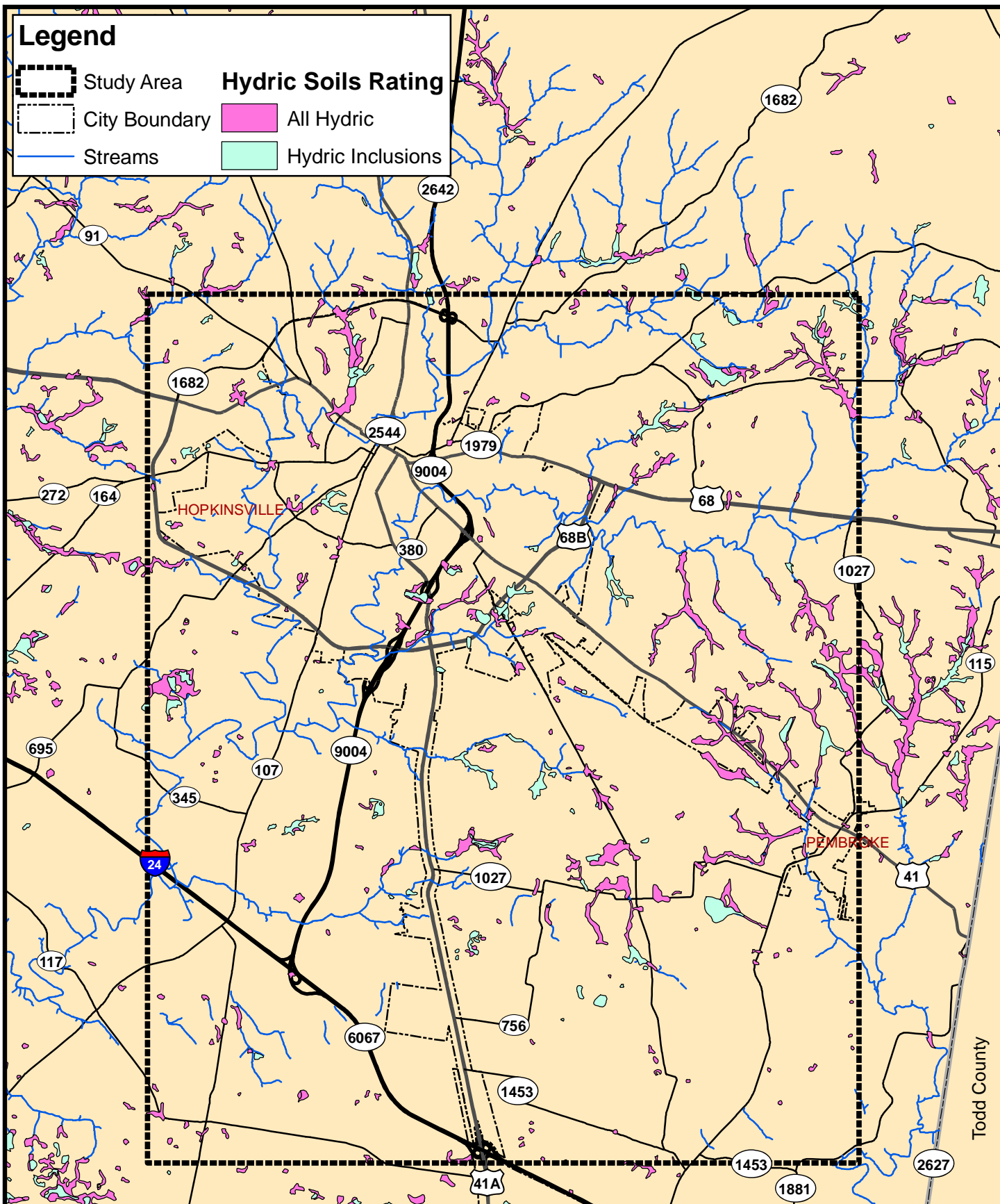
Study Area
(approximate)



3 0 3 6 Miles

Legend

-  Study Area
-  City Boundary
-  Streams
- Hydric Soils Rating**
-  All Hydric
-  Hydric Inclusions



ENVIRONMENTAL OVERVIEW
Hopkinsville Small Urban Area Study
Christian County, Kentucky

ATTACHMENT B6
Hydric Soils

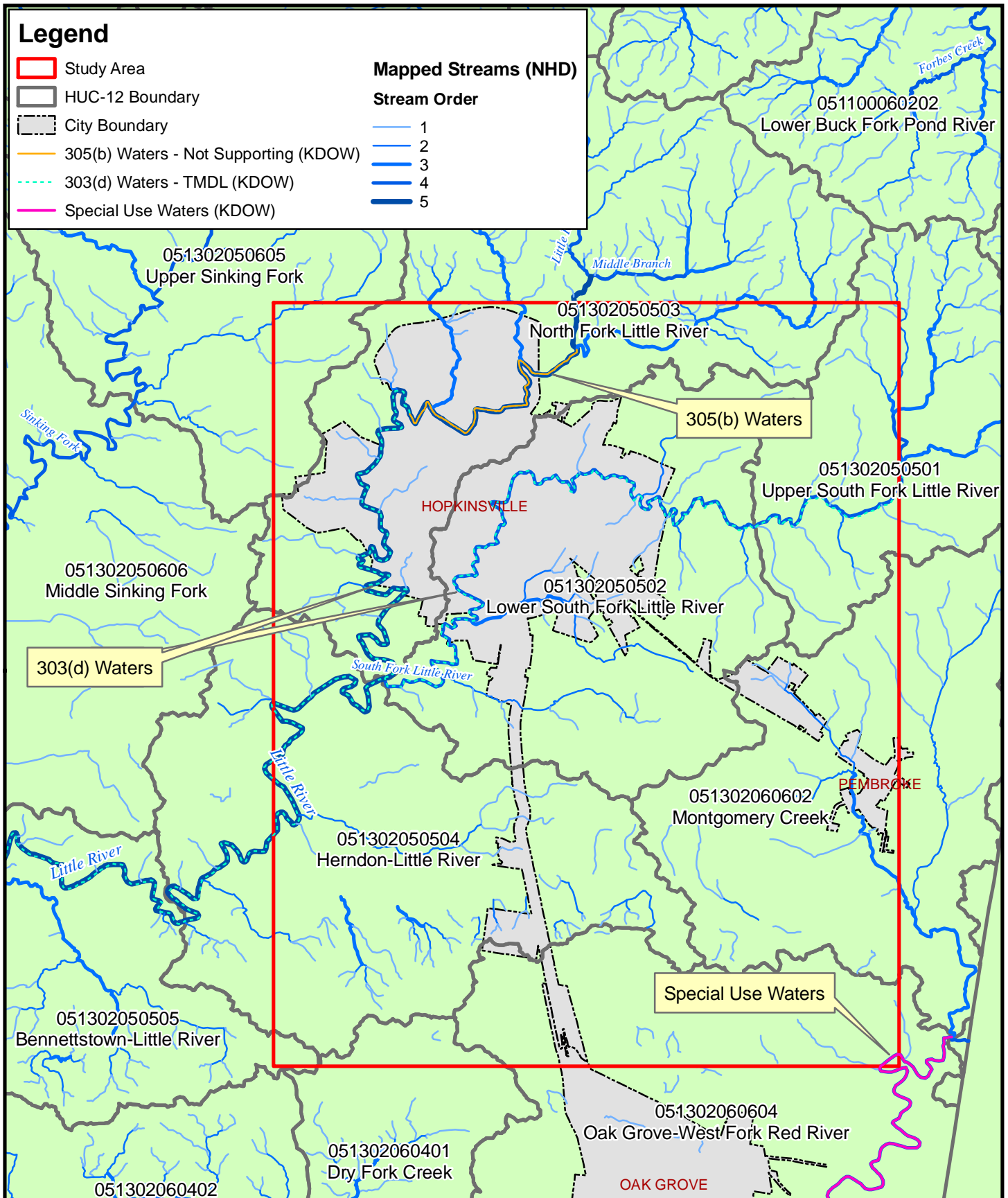
Legend

- Study Area
- HUC-12 Boundary
- City Boundary
- 305(b) Waters - Not Supporting (KDOW)
- 303(d) Waters - TMDL (KDOW)
- Special Use Waters (KDOW)

Mapped Streams (NHD)

Stream Order

- 1
- 2
- 3
- 4
- 5






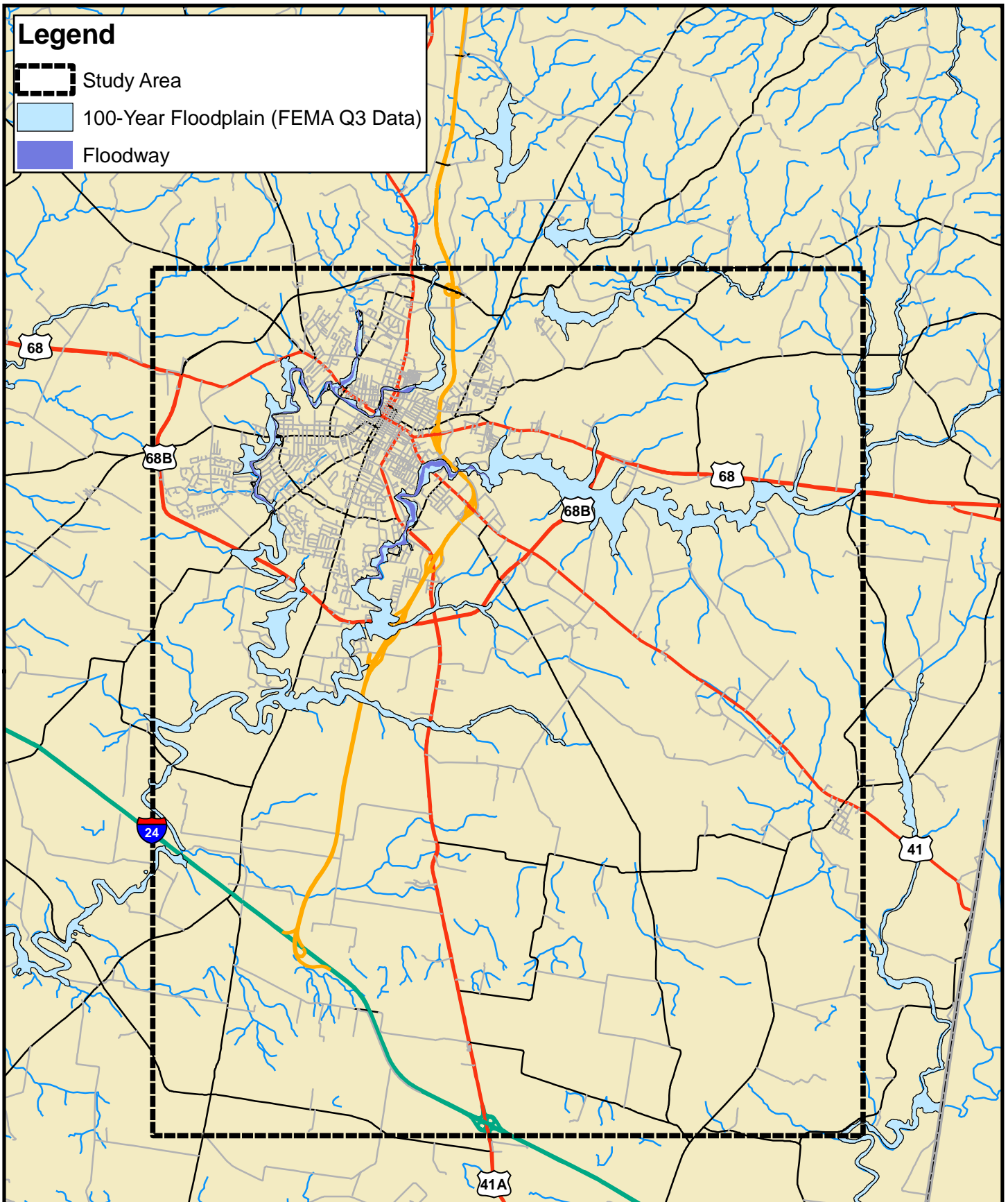
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ENVIRONMENTAL OVERVIEW
Hopkinsville Small Urban Area Study
Christian County, Kentucky

ATTACHMENT B7
Watersheds and
Mapped Streams

Legend

-  Study Area
-  100-Year Floodplain (FEMA Q3 Data)
-  Floodway



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Miles

ENVIRONMENTAL OVERVIEW
Hopkinsville Small Urban Area Study
Christian County, Kentucky

ATTACHMENT B8
100-Year Floodplains
and Floodways

Legend



Study Area

NWI Wetlands



Emergent



Scrub/Shrub-Emergent



Scrub/Shrub



Forested



Lake



Open Water



Aquatic Bed



Pond



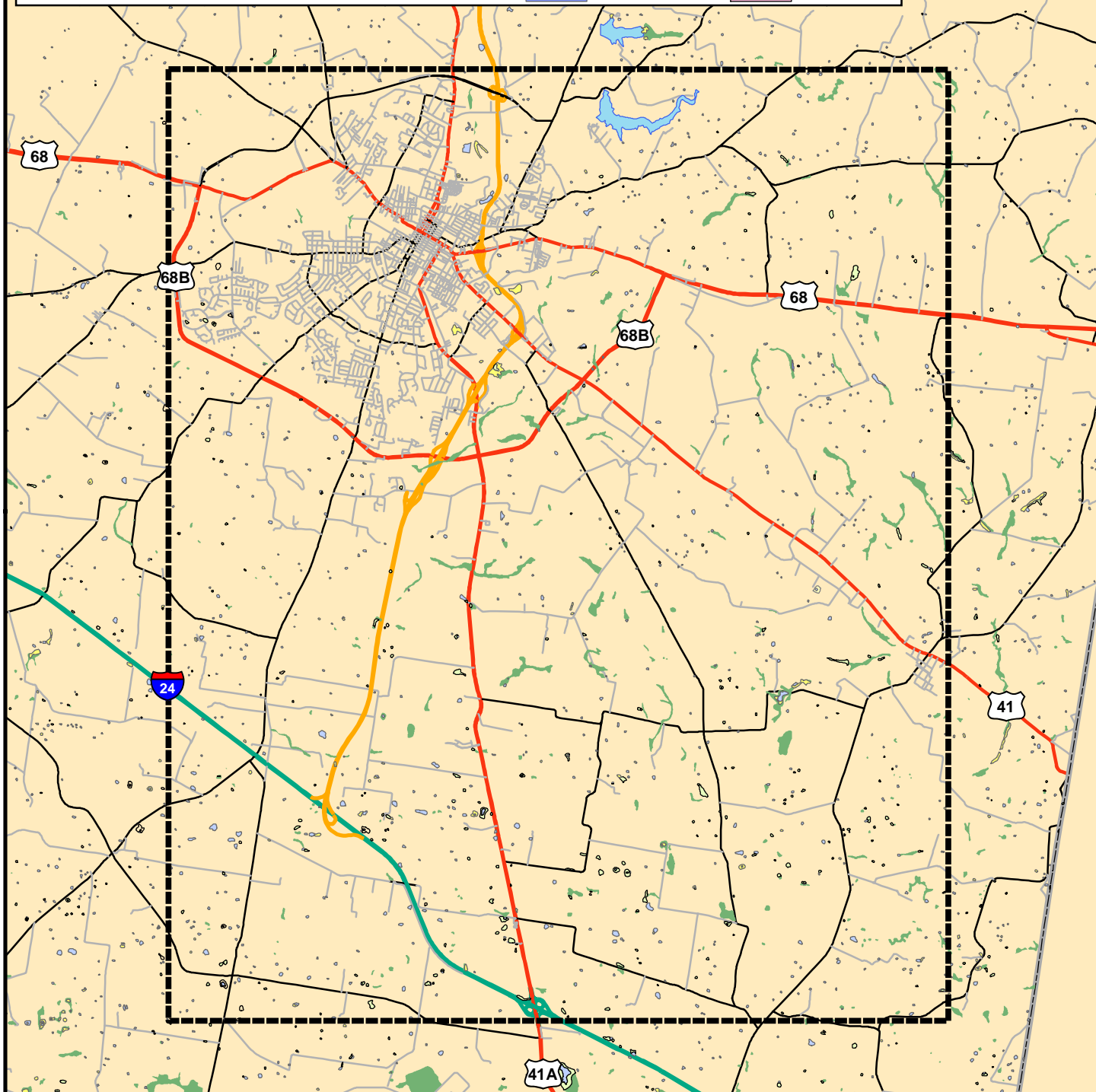
River



Shoreline



Unknown



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Miles

ENVIRONMENTAL OVERVIEW

Hopkinsville Small Urban Area Study
Christian County, Kentucky

ATTACHMENT B9

NWI-Mapped
Wetlands

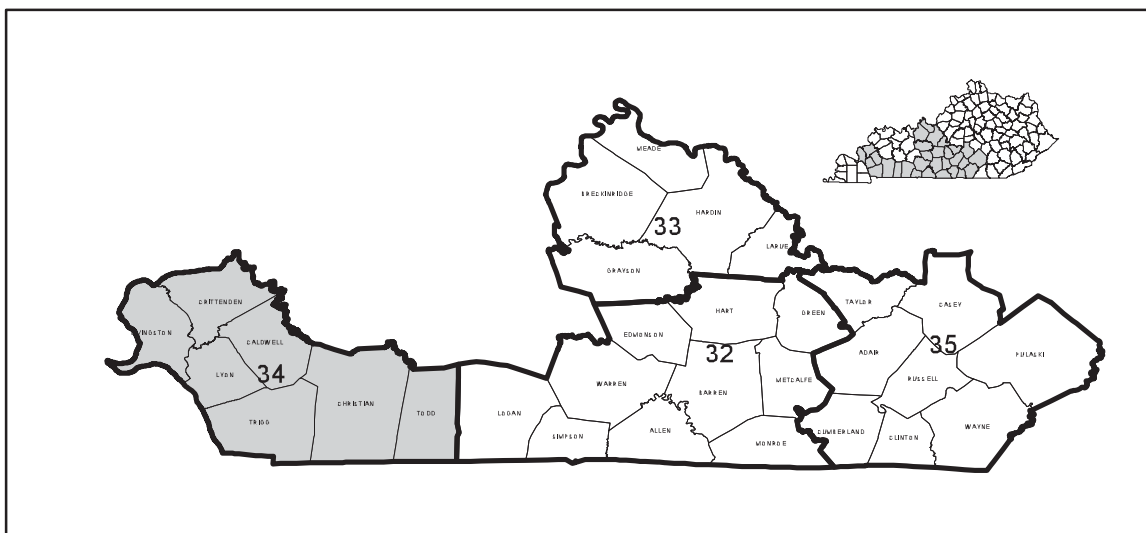
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF KENTUCKY
AND THE KENTUCKY GEOLOGICAL SURVEY
UNIVERSITY OF KENTUCKY

AVAILABILITY OF GROUND WATER IN CALDWELL,
CHRISTIAN, CRITTENDEN, LIVINGSTON, LYON, TODD,
AND TRIGG COUNTIES, KENTUCKY

By
T.W. Lambert and R.F. Brown

HYDROLOGIC INVESTIGATIONS
ATLAS HA-34



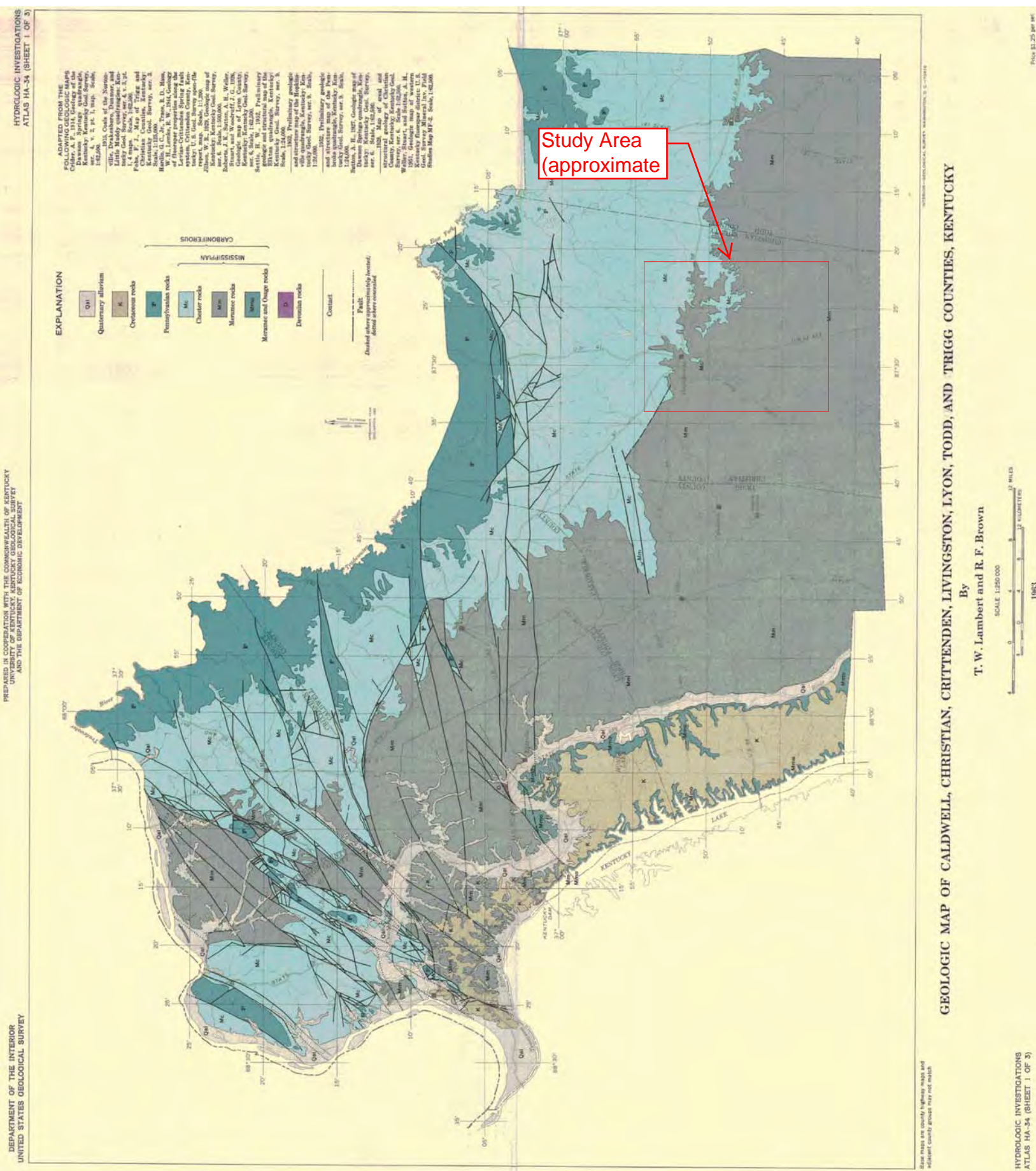
INDEX MAP OF THE MISSISSIPPIAN PLATEAU REGION, KENTUCKY, SHOWING COUNTY
GROUPS AND AREA OF THIS ATLAS

This is 1 of 4 atlases (HA-32 to HA-35) showing geology and availability of ground water in the Mississippian Plateau region, Kentucky U.S. Geological Survey Water-Supply Paper 1603 contains a text description and illustrations providing further information on the occurrence and quality of ground water in the Mississippian Plateau region.

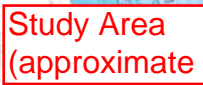
PUBLISHED BY THE U.S. GEOLOGICAL SURVEY

WASHINGTON, D.C.

1963



Note: Reduced from original size, not intended for fine scale viewing; see original source document for details



AVAILABILITY OF GROUND WATER IN CALDWELL, CHRISTIAN, CRITTENDEN, LIVINGSTON, LYON, TODD, AND TRIGG COUNTIES, KENTUCKY

By
T. W. Lambert and R. F. Brown

about 1,000 rods.

100

0000-0001-9371-4000

HYDROLOGIC INVESTIGATIONS
ATLANTA 11A-34 (SHEET 2 OF 3)

SYSTEM	SERIES	FORMATION	THICKNESS (IN FEET)	SECTION	LITHOLOGY	TOPOGRAPHY	WATER-BEARING CHARACTER
QUATERNARY	Recent and Pleistocene	Alluvium	0-120		Silt, clay, and some sand and gravel in tributary valleys. Sand, gravel, and clay in major stream valleys.	Terraces and flood plains of Cumberland, Tennessee, and Ohio Rivers and tributaries.	Yields several hundred gallons a minute to drilled wells in the alluvium of the Ohio River valley and its two main tributaries, Cumberland and Tennessee River valleys. Nearly all wells produce more than 500 gpm (gallons per minute), enough water for domestic use with a power pump. Locally, north of Smithland, Livingston County, wells must penetrate the underlying bedrock to obtain an adequate supply.
TERTIARY		Sand and gravel	0-40		Gravel, iron-stained, mainly chert, and small amounts of quartzite. Pebbles subangular to rounded, average diameter 1/2 to 1 in. Medium to coarse, orange or brick-red sand. Mostly chert and quartzite but contains some redsparg, hornblende, kyanite, and zircon. Sand and pebbles in places cemented by iron oxide into a hard conglomeratic sandstone.	Underlies dissected uplands between Cumberland and Tennessee Rivers above altitude of approximately 380 feet.	Alluvium in stream valleys tributary to the three major rivers is fine-grained and thin; most wells in these areas furnish less than 100 gpm (gallons per minute) but enough for a bailer or bucket.
CRETACEOUS	Upper Cretaceous	Ripley	0-50				Yields enough water for a domestic supply (more than 100 gpm) to dug wells of large storage capacity. Only locally is there a sufficient thickness to obtain a domestic supply.
		Tuscaloosa	0-200		Sand and interbedded clay, thin, indurated beds at sand-clay contacts. Sand may be white, buff, yellow, or red. Clay ranges from white to dark gray. Formation mostly silt and clay in some areas. Rounded chert gravel in matrix of angular chert sand and tripolitic clay. Average diameter of gravel about 1 1/2 in.	Underlies dissected uplands and ridges between Cumberland and Tennessee Rivers; truncated and covered by the alluvium of the Ohio and Tennessee valleys.	Yields almost no water to wells owing to its small thickness and its topographic situation, except south of Smithland, Livingston County, where it underlies the alluvium.
PENNSYLVANIAN		Caseville sandstone	30-400		Sandstone containing interbedded sandy shale and coal. Quartzose conglomerate present at base in some places.	Underlies dissected ridges between Cumberland and Tennessee Rivers.	Most drilled wells in the gravel of the Tuscaloosa formation are adequate for a bailer (more than 100 gpm). Yields adjacent to Kentucky Lake may exceed 5 gpm. Tripolitic clay is present locally and wells penetrating it are inadequate (less than 100 gpm).
		Kinkaid limestone	0-300		Limestone, light- to medium-gray, dense, thin-bedded, alternating with light-gray chert, and gray to black shale; unit red and olive green in places. Sandstone in lower part of formation.	Underlies gently rolling upland having some sinkholes. Form moderate to steep slopes.	Yields enough water for a domestic supply with a power pump (more than 500 gpm) to drilled wells in low-land areas bordering streams and locally in broad upland areas. Wells in small areas upland generally are inadequate (less than 100 gpm).
		Deonia sandstone	10-30		Sandstone, yellow to brown, thin-bedded, flaggy, crossbedded, ripple marked; calcareous in places.		
		Clare limestone	30-60		Limestone, gray, shaly, thin-bedded; interbedded with argillaceous and calcareous shale.		
		Palestine sandstone	40-80		Sandstone, light-gray, medium-grained, thin-bedded to massive.	Forms minor bench on hillsides. Underlies gently rolling upland.	
		Manard limestone	80-140		Limestone, dark-gray, dark olive-tan, and black, fine-grained to sublitographic, commonly argillaceous; interbedded with dark-gray fissile shale.	Underlies flat uplands. Form gentle slopes on hillsides.	
		Wellersburg sandstone	20-60		Sandstone, medium-gray, fine-grained, shaly; massive in places. In lower part consists chiefly of very dark gray shale.		
		Vienna limestone	20-40		Shale, dark-gray, fissile; also dark-gray, clayey, calcareous in upper part, alternated with medium- to dark-gray fine-grained to crystalline limestone and dark bluish-gray chert.		
		Tar Springs sandstone	100-200		Sandstone, light- to medium-gray, fine-grained; shaly limestone containing interbedded dark-gray shale and thin sandstone lenses and thin coal beds.	Underlies gently rolling upland. Forms minor bench on hillsides.	Most drilled wells that obtain water from fault zones are adequate for a domestic supply with a power pump (more than 500 gpm). Yields are as much as 100 gpm. Flows of as much as 20 gpm are obtained from fractures along fault zones and adjacent beds. Most flowing wells are in sandstone. Water is usually obtained from the hanging walls or group zones of faults. Sandstone formations yield enough water for a domestic supply with a bailer or bucket (more than 100 gpm) where there is an adequate saturated thickness in perched water zones. Most shallow wells in broad uplands are dug and usually yield more than 100 gpm, but yields are not dependable in dry years. Drilled wells produce enough water for a bailer (more than 100 gpm) and most of these wells produce enough water for a power pump (more than 500 gpm). Minor spring horizons occur near the base of the sandstone on discontinuous shale beds. Very few of the springs are adequate for a domestic supply, and many go dry in late fall or winter. Limestone formations yield small to adequate supplies from solution openings. In lowland areas bordering streams, some wells furnish enough for a domestic supply with a power pump (more than 500 gpm). Most wells in upland areas are inadequate for a domestic supply with bailer or bucket (less than 100 gpm). On uplands deep wells that penetrate solution openings in limestone may produce more than 5 gpm, but most deep wells in uplands are inadequate for a domestic supply with bailer or bucket (less than 100 gpm). Close to outcrop areas, particularly near major escarpment, yields from perched water bodies generally are inadequate during dry periods. Springs occur at the base of many limestone formations where they crop out on escarpments and hillsides. Adjacent to large upland areas, springs yield as much as 100 gpm and low flows are more than 5 gpm from some springs.
		Glen Dean limestone	40-80		Limestone, light- to medium-gray, fine-grained to coarsely crystalline, crinoidal; contains medium-gray shale beds. Limestone coarsely oolitic in places. Sandy shale and sandstone near middle of formation.	Underlies gently rolling upland. Forms a gradual slope above Hardinsburg bench.	
		Hardinsburg sandstone	20-140		Sandstone, light-gray, fine- to medium-grained, massive; dark shale horizon in middle. Thin, basal conglomerate present in places.	Forms minor escarpment, modified in many places by faults. Underlies broad rolling uplands.	
		Honey limestone ¹ Fralley shale ¹ Beach Creek limestone ¹	30-170		Limestone, light-gray, coarsely crystalline, argillaceous in places. Chert and gray shale interbedded with limestone. Shale, light- to dark-gray, slightly calcareous. Gray limestone interbedded with shale. Grades into Big Clifty sandstone eastward from Todd County. Limestone, dark-gray, very hard, slightly argillaceous.	Underlies gently rolling upland. Form steep slope below minor Hardinsburg sandstone escarpment. Fralley shale grades into Big Clifty sandstone eastward from Christian County to form a major escarpment.	
		Cypress sandstone	25-125		Sandstone, light- to greenish-gray, fine- to medium-grained. Thin, basal conglomerate, and thin coal present in places. Dark shale in middle or lower part.	Forms a major escarpment, but broken by faults in fluorspar area. Eastward from Christian County the escarpment wedges out against the overlying Big Clifty. Underlies broad flat uplands.	
		Ridenhower shale ¹	1-100		Shale, dark-gray, slightly sandy, and sandstone. Nodular impure limestone predominant to east.	Forms moderate to rolling slope below Cypress sandstone escarpment, modified by faults in fluorspar area.	
		Bethel sandstone ¹	25-125		Sandstone, light-gray, medium-grained, massive. In places a conglomerate is present at the base.	Forms lowest major escarpment from fluorspar area to Todd County; escarpment broken by faults in fluorspar area. Underlies broad rolling upland.	
		Paoli limestone ¹	20-100		Limestone, medium- to dark-gray, medium- to coarse-grained, crystalline, oolitic in places, and interbedded dark greenish-gray shale, commonly calcareous in places.	Forms a moderate slope under Bethel sandstone ¹ escarpment except where modified by faults or a higher sandstone escarpment.	Yields little or no water to wells. Small springs with low flows of about 5 gpm occur near the top of the formation.
		St. Genevieve limestone	180-270		Limestone, white to medium-gray, fine-grained to oolitic, crossbedded; contains chert nodules. Calcareous or shaly, shaly or massive lenticular sandstone may be present in the upper one-third of the formation.	Underlies rolling karst uplands. Forms moderate slope under Bethel sandstone escarpment except where modified by faults. Exposed as large fault blocks in much of the fluorspar area.	Yields more than 50 gpm to wells from large solution openings in karst areas. Most wells penetrate solution openings, but in areas high above perennial streams, solution openings are dry in late summer and fall and many wells are inadequate. Springs having low flows ranging from less than 10 to about 1,500 gpm occur at or near stream level. Smaller springs discharge from perched water bodies in upland areas, but many go dry during late summer and fall.
		St. Louis limestone	350-400		Limestone, medium-gray to black, fine-grained to lithographic; contains abundant bluish-gray chert nodules.	Underlies dissected uplands and ridges. Underlies rolling karst uplands in faulted parts of the fluorspar area and uplands of Christian, Trigg, and Todd Counties. Forms steep valley walls along Cumberland River.	Low flows of numerous springs that discharge from near the top of the formation and near stream level range from less than 10 gpm to about 1,000 gpm. Maximum flows range from less than 100 gpm to more than 100,000 gpm. Most large springs are situated near minor rivers. In karst areas, drilled wells generally produce enough water for domestic use with a power pump (more than 500 gpm). Some produce more than 50 gpm from large solution openings. Most wells high above perennial streams are inadequate. In nonkarst areas, yields generally are lower than in karst. The number of solution openings is fewer and their size smaller. Many wells are insufficient for bailer or bucket (less than 100 gpm). Most springs are small and many go dry during late summer and fall. Most wells high above perennial streams are inadequate (less than 100 gpm).
		Spergen limestone ¹	50		Limestone, light- to medium-gray, fine-grained to oolitic.	Underlies dissected uplands and ridges adjacent to Ohio River in Livingston and Crittenden Counties and adjacent to Cumberland River in Trigg County.	Wells that encounter large solution openings near stream level or near sinkholes yield sufficient water for a power pump (more than 500 gpm). In most other areas, the rock is fine-grained and yields generally are insufficient for a bailer or bucket (less than 100 gpm).
		Warsaw limestone	50+		Limestone, medium- to dark-gray, coarsely granular, crinoidal, fossiliferous. The basal part of the formation consists of medium- to dark-gray fine-grained shaly limestone containing nodules and stringers of gray chert.	Underlies dissected uplands and ridges adjacent to Cumberland and Tennessee Rivers and tributaries in Trigg, Lyon, and Livingston Counties. Exposed in faulted zone at Kuttawa.	
		Fort Payne chert	515		Limestone, dark bluish-gray, and interlayered chert. Chert is dark-gray to black and has fine laminations paralleling the bedding or is concentric in nodules. Along Kentucky Lake leached section consists of residual leached chert and interbedded tripolitic clay.	Underlies dissected ridges between Tennessee and Cumberland Rivers. Exposed in fault scarp at Kuttawa.	Yields almost no water to wells where unweathered. Where the limestone has been leached away and chert rubble is left, yields may exceed 50 gpm. Yields of most wells of moderate depths range from 2 to 10 gpm. Tripolitic clay may be present in some areas and here the formation yields little or no water to wells.
		New Providence shale	30		Shale, green, clayey.	Exposed in faulted scarp at Kuttawa.	Yields little or no water to wells.
DEVONIAN		Chattanooga shale	200+		Shale, black, massive.	Exposed in faulted scarp at Kuttawa.	Yields little or no water to wells.

See list of references in Water-Supply Paper 1002.
¹ As used by McArthur, Seaton, Butler, and Nelson (1938).
² As used by Shufeldt (1930) «System of Stratigraphy of Kentucky» (1930).
Generalized shale member of Warsaw limestone.

GENERALIZED COLUMNAR SECTION OF CALDWELL, CHRISTIAN, CRITTENDEN
LIVINGSTON, LYON, TODD, AND TRIGG COUNTIES, KENTUCKY

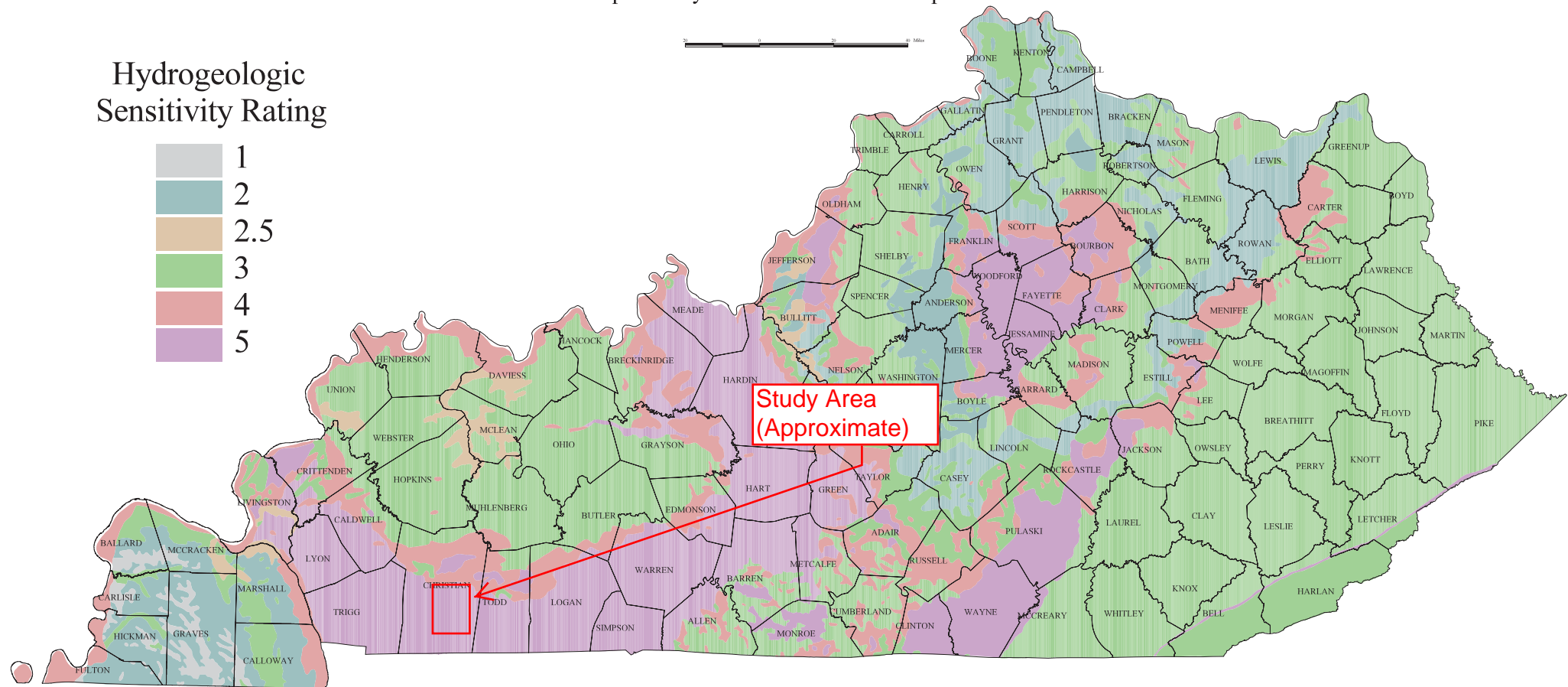

By
T. W. Lambert and R. F. Brown

Kentucky Department for Environmental Protection

Groundwater Branch

Interpreted by

20 0 20 40 M



Legend

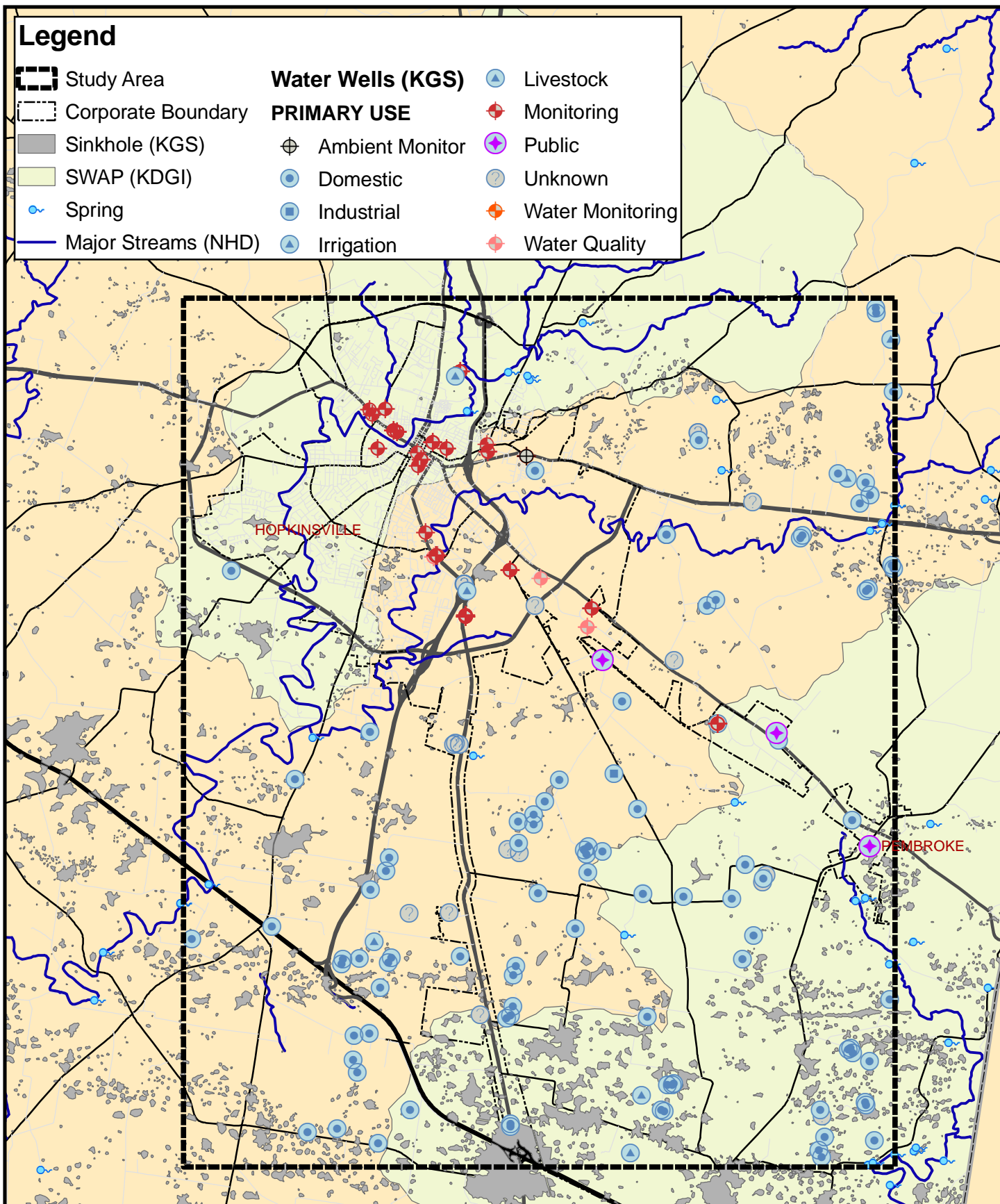
- Study Area
- Corporate Boundary
- Sinkhole (KGS)
- SWAP (KDGI)
- Spring
- Major Streams (NHD)

Water Wells (KGS)

PRIMARY USE

- Ambient Monitor
- Domestic
- Industrial
- Irrigation


- Livestock
- Monitoring
- Public
- Unknown
- Water Monitoring
- Water Quality



0 0.5 1 2 3
Miles

ENVIRONMENTAL OVERVIEW
Hopkinsville Small Urban Area Study
Christian County, Kentucky

ATTACHMENT B12
Groundwater Resources
and Public Water Supplies

		U.S. Fish & Wildlife Service 330 West Broadway, Rm 265 Frankfort, KY 40601 Phone: 502-695-0468 Fax: 502-695-1024			
U.S. Fish & Wildlife Service <i>Kentucky Ecological Services Field Office</i>					
Endangered, Threatened, & Candidate Species in <u>CHRISTIAN</u> County, KY					
Group	Species	Common name	Legal* Status	Known** Potential	Special Comments
Mammals	<i>Myotis grisescens</i>	gray bat	E	K	
	<i>Myotis sodalis</i>	Indiana bat	E	K	
Mussels	<i>Cyprogenia stegaria</i>	fanshell	E	P	
	<i>Lexingtonia dolabelloides</i>	slabside pearlymussel	C	P	
	<i>Obovaria retusa</i>	ring pink	E	P	
	<i>Ptychobranthus subtentum</i>	fluted kidneyshell	C	P	
Reptile		copperbelly water snake	SCA		species covered by a State Conservation Agreement (SCA)
NOTES:					
* Key to notations: E = Endangered, T = Threatened, C = Candidate, CH = Critical Habitat					
**Key to notations: K = Known occurrence record within the county, P = Potential for the species to occur within the county based upon historic range, proximity to known occurrence records, biological, and physiographic characteristics.					



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- Species Information
- KDFWR Maps
- Public Hunting Area Maps
- Game Maps
- Download GIS Data
- Links

Species Information

State Threatened, Endangered, and Special Concern Species observations for selected counties

Linked life history provided courtesy of [NatureServe Explorer](#).
Records may include both recent and historical observations.
[US Status Definitions](#) [Kentucky Status Definitions](#)

List State Threatened, Endangered, and Special Concern Species observations in 1 selected county.
Selected county is: Christian.

Scientific Name and Life History	Common Name and Pictures	Class	County	US Status	KY Status	WAP	Reference
Actitis macularius	Spotted Sandpiper	Aves	Christian	N	E	Yes	Reference
Ammodramus henslowii	Henslow's Sparrow	Aves	Christian	N	S	Yes	Reference
Anas clypeata	Northern Shoveler	Aves	Christian	N	E		Reference
Anas discors	Blue-winged Teal	Aves	Christian	N	T		Reference
Bubulcus ibis	Cattle Egret	Aves	Christian	N	S		Reference
Calephelis muticum	Swamp Metalmark	Insecta	Christian	N	E		Reference
Cambarus friaufi	Hairy Crayfish	Malacostraca	Christian	N	S	Yes	Reference
Certhia americana	Brown Creeper	Aves	Christian	N	E	Yes	Reference
Chondestes grammacus	Lark Sparrow	Aves	Christian	N	T	Yes	Reference
Cryptobranchus alleganiensis alleganiensis	Eastern Hellbender	Amphibia	Christian	N	S	Yes	Reference
Etheostoma microlepidum	Smallscale Darter	Actinopterygii	Christian	N	E	Yes	Reference
Etheostoma tecumsehi	Shawnee Darter	Actinopterygii	Christian	N	S	Yes	Reference
Fulica americana	American Coot	Aves	Christian	N	E		Reference
Haliaeetus leucocephalus	Bald Eagle	Aves	Christian	N	T	Yes	Reference
Hyla avivoca	Bird-voiced Treefrog	Amphibia	Christian	N	S	Yes	Reference
Hyla gratiosa	Barking Treefrog	Amphibia	Christian	N	S	Yes	Reference
Junco hyemalis	Dark-eyed Junco	Aves	Christian	N	S		Reference
Lepomis miniatus	Redspotted Sunfish	Actinopterygii	Christian	N	T	Yes	Reference
Myotis austroriparius	Southeastern Myotis	Mammalia	Christian	N	E	Yes	Reference
Myotis grisescens	Gray Myotis	Mammalia	Christian	LE	T	Yes	Reference
Myotis sodalis	Indiana Bat	Mammalia	Christian	LE	E	Yes	Reference
Nerodia erythrogaster neglecta	Copperbelly Water Snake	Reptilia	Christian	PS:LT	S	Yes	Reference
Nycticeius humeralis	Evening Bat	Mammalia	Christian	N	S	Yes	Reference

Attachment B14-2

Orconectes pellucidus	Mammoth Cave Crayfish	Malacostraca	Christian	N	S	Yes	Reference
Phalacrocorax auritus	Double-crested Cormorant	Aves	Christian	N	E		Reference
Podilymbus podiceps	Pied-billed Grebe	Aves	Christian	N	E	Yes	Reference
Satyrium favonius ontario	Northern Hairstreak	Insecta	Christian	N	S		Reference
Sitta canadensis	Red-breasted Nuthatch	Aves	Christian	N	E	Yes	Reference
Thryomanes bewickii	Bewick's Wren	Aves	Christian	N	S	Yes	Reference
Typhlichthys subterraneus	Southern Cavefish	Actinopterygii	Christian	N	S	Yes	Reference
Tyto alba	Barn Owl	Aves	Christian	N	S	Yes	Reference
Villosa lienosa	Little Spectaclecase	Bivalvia	Christian	N	S	Yes	Reference
Villosa vanuxemensis vanuxemensis	Mountain Creekshell	Bivalvia	Christian	N	T	Yes	Reference
Vireo bellii	Bell's Vireo	Aves	Christian	PS	S	Yes	Reference

34 species are listed

Steven L. Beshear
Governor



Leonard K. Peters
Secretary
Energy and Environment Cabinet

Donald S. Dott, Jr.
Director

**Commonwealth of Kentucky
Kentucky State Nature Preserves Commission
801 Schenkel Lane
Frankfort, Kentucky 40601-1403
502-573-2886 Voice
502-573-2355 Fax**

June 21, 2012

Bill Leopold
Stantec Consulting
1848 Summit Road
Cincinnati, OH 45237

Data Request 12-109

Dear Mr. Leopold:

This letter is in response to your data request of June 8, 2012 for the Hopkinsville Small Urban Area study (Christian County) project. We have reviewed our Natural Heritage Program Database to determine if any of the endangered, threatened, or special concern plants and animals or exemplary natural communities monitored by the Kentucky State Nature Preserves Commission occur in or near the project area, as shown on the map you provided.

Element occurrences whose centers intersect the study area are included on the first report (15 records). The second report includes aquatic elements, birds, and mammal elements extending beyond the study area boundary for five miles and also includes any element occurrences that intersect the boundary but whose center is not inside the boundary (22 records).

Much of this area is located within a karst landscape characterized by numerous sinkholes, underground conduits, or caves. Construction disturbance or release of pollutants within the specified area could easily cause contamination of groundwater. Caves are often associated with sensitive ecosystems and may provide habitat for a number of rare or endangered species. Cave organisms are heavily dependent on water quality, and steps should be taken to avoid introducing contaminants into the water system.

Schoenoplectus hallii (syn. *Scirpus hallii*) (Hall's bulrush, KSNPC endangered) occurs within the study area. Hall's bulrush is proposed as a candidate for the federal endangered species list. Hall's bulrush is an annual occurring in various wetland habitats and is usually found on bare soil where fluctuating water levels may prevent the establishment of competitors. A thorough search of the project area should be conducted by a qualified botanist during its fruiting period (June-September).

Data Request 12-109

June 21, 2012

Page 2

Aquatic species and habitats in the area may be sensitive to increased turbidity, sediment, and other adverse influences on water quality. *Etheostoma microlepidum* (Smallscale darter, KSNPC endangered, federal species of management concern) and *Villosa vanuxemensis* (Mountain Creekshell, KSNPC threatened) occur in the defined area. Additionally, within the 5-mile buffer, *Cryptobranchus alleganiensis alleganiensis* (Eastern Hellbender, KSNPC endangered, federal species of management concern) has been found. This a species that is found in running waters of fairly large streams and rivers. Our data are not sufficient to guarantee absence of endangered, threatened or sensitive species from the sites of proposed construction disturbance. We recommend that impacted streams be thoroughly surveyed by a qualified biologist prior to any in-stream disturbance.

Myotis grisescens (Gray myotis, federally listed endangered, KSNPC threatened) has been observed within area caves in the past, but has not been seen in recent years. A thorough survey for this species should be conducted by a qualified biologist if suitable habitat will be disturbed. The survey should include a search for potential roost and winter sites, and a mistnetting census at numerous points within the proposed corridor, particularly in preferred summer habitat. Summer foraging habitats include upland forests, bottomland forests and riparian corridors. Suitable roost and winter sites include sandstone and limestone caves, rockhouses, cliffhines, auger holes, and abandoned mines. In order to avoid impacts to bats, bottomland forests and riparian corridors, particularly near caves, should not be disturbed.

Christian County is one of the counties that could harbor populations of Copperbelly water snake (*Nerodia erythrogaster neglecta*, KSNPC Special Concern). If bottomlands or adjacent areas in could be impacted, this species should be considered.

I would like to take this opportunity to remind you of the terms of the data request license, which you agreed upon in order to submit your request. The license agreement states "Data and data products received from the Kentucky State Nature Preserves Commission, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Kentucky State Nature Preserves Commission." The exact location of plants, animals, and natural communities, if released by the Kentucky State Nature Preserves Commission, may not be released in any document or correspondence. These products are provided on a temporary basis for the express project (described above) of the requester, and may not be redistributed, resold or copied without the written permission of the Kentucky State Nature Preserves Commission's Data Manager (801 Schenkel Lane, Frankfort, KY, 40601. Phone: (502) 573-2886).

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being consid-

Data Request 12-109

June 21, 2012

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ered, nor should they be substituted for on-site surveys required for environmental assessments. We would greatly appreciate receiving any pertinent information obtained as a result of on-site surveys.

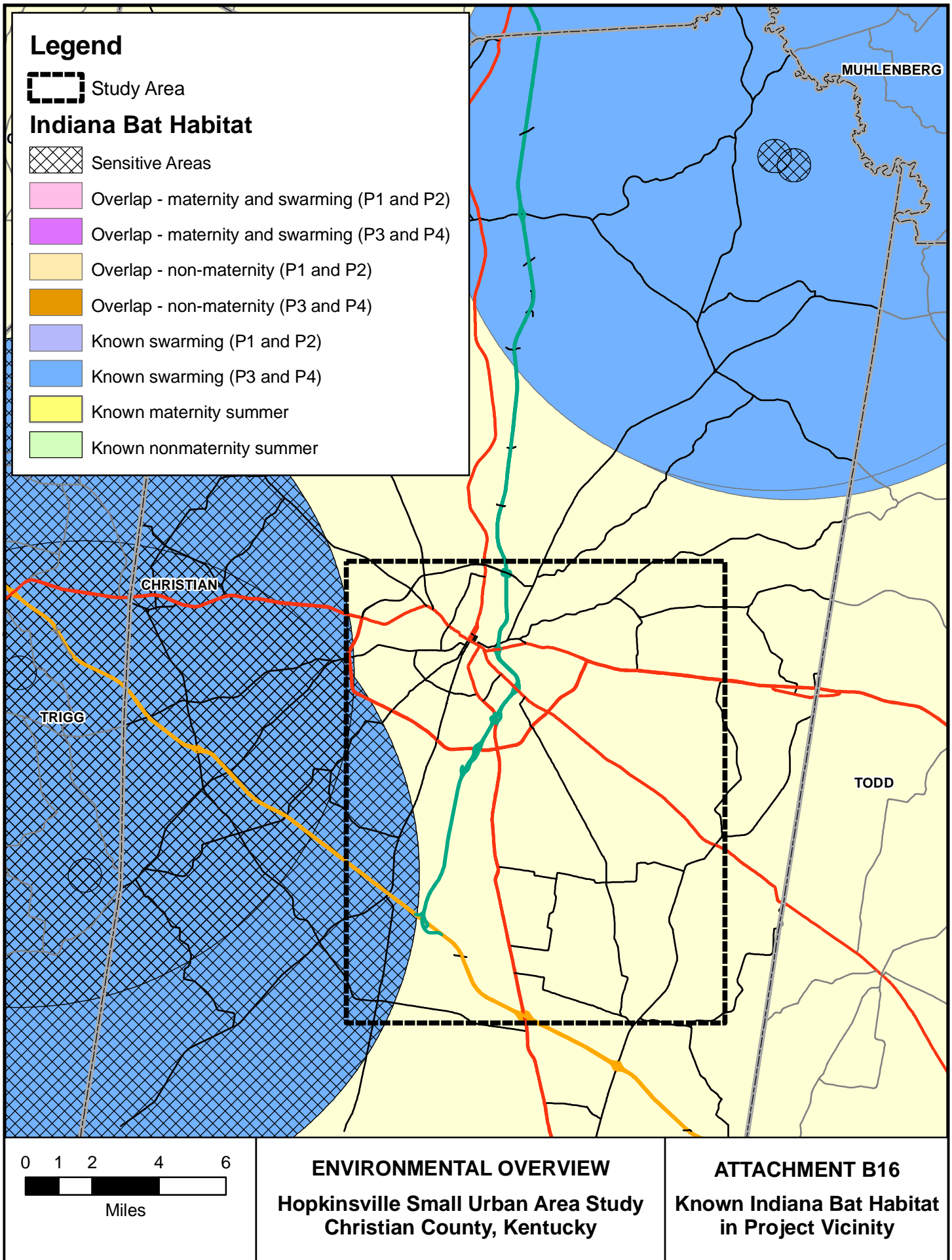
If you have any questions or if I can be of further assistance, please do not hesitate to contact me.

Sincerely,

Sara Hines
Data Manager

SLD/SGH

Enclosures: Data Report and Interpretation Key



**United States Department of the Interior
National Park Service
Land & Water Conservation Fund**

Detailed Listing of Grants Grouped by County

Today's Date: 6/26/2012

KENTUCKY - 21

Page: 17

Grant ID & Element	Type	Grant Element Title	Grant Sponsor	Amount	Status	Date Approved	Exp. Date	Cong. District
CHRISTIAN								
67 - XXX	C	RUFF PARK	CHRISTIAN COUNTY	\$41,225.65	C	2/17/1970	12/31/1973	1
251 - XXX	D	RUFF PARK	CHRISTIAN COUNTY	\$25,296.78	C	2/1/1974	6/30/1976	1
372 - XXX	C	RUFF PARK	CHRISTIAN COUNTY	\$52,293.45	C	4/20/1976	6/30/1979	1
433 - XXX	D	HOPKINSVILLE PARK ADDITIONS	CITY OF HOPKINSVILLE	\$10,245.38	C	2/2/1977	6/30/1979	1
682 - XXX	C	LAFAYETTE COMMUNITY PARK	CITY OF LAFAYETTE	\$28,000.32	C	8/21/1980	6/30/1985	1
722 - XXX	D	NORTH CHRISTIAN CO. COMMUNITY PARK	CHRISTIAN COUNTY	\$5,279.69	C	1/28/1981	1/31/1986	1
737 - XXX	D	HOPKINSVILLE RECREATION COMPLEX	CITY OF HOPKINSVILLE	\$16,618.22	C	2/12/1982	2/28/1986	1
744 - XXX	D	OAK GROVE PARK	CITY OF OAK GROVE	\$11,167.19	C	2/10/1982	2/28/1986	1
748 - XXX	D	PEMBROKE PARK	CITY OF PEMBROKE	\$5,732.85	C	10/22/1981	10/31/1986	1
795 - XXX	R	HOPKINSVILLE PARK RENOVATIONS	CITY OF HOPKINSVILLE	\$11,754.16	C	8/22/1983	1/15/1985	1
885 - XXX	D	HOPKINSVILLE CITY PARK	CITY OF HOPKINSVILLE	\$22,428.81	C	9/24/1984	9/30/1986	1
889 - XXX	D	WESTERN HILLS GOLF COURSE	CITY OF HOPKINSVILLE	\$50,760.00	C	9/26/1984	9/30/1986	1
923 - XXX	D	LAFAYETTE COMMUNITY PARK	CHRISTIAN COUNTY	\$2,125.94	C	5/28/1985	5/31/1987	1
924 - XXX	R	RUFF PARK	CHRISTIAN COUNTY	\$29,289.38	C	5/28/1985	8/31/1988	1
996 - XXX	C	PEMBROKE MUNICIPAL PARK	CITY OF PEMBROKE	\$25,164.53	C	1/16/1987	12/31/1988	1
1048 - XXX	C	TRAIL OF TEARS	CITY OF HOPKINSVILLE	\$25,067.25	C	1/10/1989	6/30/1991	1
1094 - XXX	R	RUFF PARK TENNIS COURTS RENOVATION	CHRISTIAN COUNTY	\$21,942.00	C	7/31/1991	7/31/1993	1
1124 - XXX	D	OAK GROVE PARK	CITY OF OAK GROVE	\$23,000.00	C	7/27/1992	6/30/1998	1
1141 - XXX	D	JAMES E. GORDON PARK	CITY OF CROFTON	\$30,225.76	C	7/13/1993	6/30/1995	1
1167 - XXX	D	WALNUT STREET PARK	CITY OF HOPKINSVILLE	\$17,422.50	C	8/30/1994	8/31/1996	1
1175 - XXX	D	GORDON PARK	CITY OF CROFTON	\$7,845.30	C	5/24/1995	5/30/1997	1

**United States Department of the Interior
National Park Service
Land & Water Conservation Fund**

Detailed Listing of Grants Grouped by County

Today's Date: 6/26/2012

KENTUCKY - 21

Page: 18

Grant ID & Element	Type	Grant Element Title	Grant Sponsor	Amount	Status	Date Approved	Exp. Date	Cong. District
CHRISTIAN								
1199 - XXX	D	TIE BREAKER PARK	City of Hopkinsville	\$43,600.00	C	7/21/2000	7/31/2005	1
1261 - XXX	D	RUFF PARK TENNIS COURTS	CHRISTIAN COUNTY FISCAL COURT	\$41,300.00	C	9/4/2002	9/30/2007	1
1280 - XXX	R	LITTLE RIVER PARK	CITY OF HOPKINSVILLE	\$78,510.18	C	8/13/2003	7/31/2008	1
1360 - XXX	D	TRAIL OF TEARS PARK	CHRISTIAN COUNTY FISCAL COURT	\$40,000.00	C	1/23/2007	7/30/2011	1
1382 - XXX	D	CITY OF CROFTON SPRAY PARK	CITY OF CROFTON	\$53,750.00	C	8/9/2007	7/30/2012	1
1399 - XXX	D	RUFF PARK	CHRISTIAN COUNTY FISCAL COURT	\$40,000.00	C	9/15/2009	7/30/2014	1
CHRISTIAN County Total:				\$760,045.34	County Count:		27	
CLARK								
17 - XXX	D	WINCHESTER COMMUNITY SWIMMING POOL	CLARK COUNTY	\$38,961.62	C	12/20/1968	12/31/1971	6
238 - XXX	C	HOLLIDAY HILLS PARK	CITY OF WINCHESTER	\$29,512.19	C	3/21/1974	12/31/1977	6
255 - XXX	C	LYKINS PARK	CLARK COUNTY	\$81,270.86	C	3/12/1974	6/30/1977	6
691 - XXX	D	LYKINS PARK	CLARK COUNTY	\$14,000.00	C	7/30/1980	6/30/1985	6
750 - XXX	C	WINCHESTER/CLARK COUNTY PARK	CITY OF WINCHESTER & CLARK CO.	\$239,904.62	C	5/29/1981	5/30/1986	6
991 - XXX	C	CLARK COUNTY SOCCER COMPLEX	CLARK COUNTY	\$32,346.00	C	11/19/1986	11/30/1988	6
CLARK County Total:				\$435,995.29	County Count:		6	

Kentucky Office of State Archaeology

University of Kentucky, 1020A Export Street, Lexington, KY 40506
Phone: 859-257-1944 Fax: 859-323-1698 email:ky-osa@lsv.uky.edu

Confidential Information
Not for Public Release

Hopkinsville Small Urban Area Study

Site Check Performed On: June 14, 2012

These summary data, along with the shapefiles of the previous archaeological projects¹ within your project area, should provide you a general idea of what is currently known about the archaeology of this area. As been previously discussed, archaeological site locations are only released to archaeologists and other historic preservation researchers who meet the requirements set forth by the Kentucky Heritage Council. It is important to note that only about three-percent of the state has been examined for archaeological remains, and therefore because sites are not currently recorded in a location does not mean they are not present. Consultation with Kentucky Heritage Council is recommended to determine whether or not an archaeological survey is required.

¹ The project areas depicted in the shapefiles represent the general area of the project and do not necessarily indicate that the area was completely examined for archaeological sites.

There are 205 previously recorded archaeological sites within your project area. Of those sites, two archaeological sites are listed on the National Register of Historic Places and one archaeological site was considered eligible for inclusion on the National Register of Historic Places but was not nominated by the State Historic Preservation Officer. There are 39 archaeological sites that have been determined as not eligible for inclusion on the National Register of Historic Places. The remaining 163 archaeological sites have not had their eligibility for inclusion on the National Register of Historic Places evaluated. Below is a list of the references of the survey reports within your project area. Currently, only approximately 30% of your project area has been surveyed for archaeological resources, and given the location of your project area, additional archaeological resources are likely present. The Kentucky Office of State Archaeology recommends that you consult the Kentucky Heritage Council to determine whether or not an archaeological survey is required.

Archaeological Survey Reports

005-082 585731 2007 Eric J. Schlarb; Susanne Winter
An Archaeological Assessment of National Guard Armories in the State of Kentucky

024-001 575309 1979 Allen, Roger C.
A Cultural Resource Management Assessment of Two Proposed Waste Water Treatment

SITE SEQUENCE ID	MASTER AI	MASTER_AI NAME	ADDRESS	CITY	COUNT_UST_RECORDS
1910024		52566 Ag Spray Equipment Inc	1521 Industrial Drive	Hopkinsville	1
20146675		70113 Aldi Inc	2554 Fort Campbell Blvd	Hopkinsville	1
1003024		67808 Ambrose Home Supply Inc	14th St & CSX Railroad	Hopkinsville	2
2607024		62698 Auto-Rama Inc	1029 W 7th St	Hopkinsville	4
2645024		62701 BP Shop 2 Disc Beverage Center	2311 Fort Campbell Blvd	Hopkinsville	4
759024		47392 Bellsouth Telecommunications 53626	1210 S Main St	Hopkinsville	3
2275024		64798 Bens Tire & Wheel	2401 Fort Campbell Blvd	Hopkinsville	1
1960024		65060 Bill Burkhead Trucking	3940 Greenville Rd	Hopkinsville	1
42024		67670 Case Power & Equipment	5400 Fort Campbell Blvd	Hopkinsville	2
4879024		754 Chevron 42588	2808 Ft Cambell Blvd	Hopkinsville	10
9999380		62656 Christian Co Road Dept	2701 Hwy 68 E	Hopkinsville	5
5579024		62657 Christian Health Center	200 Sterling Dr	Hopkinsville	1
0		76289 City Barber Shop	102 E 5th St	Hopkinsville	3
8754024		62658 Clearview Service Inc	1079 N Main St	Hopkinsville	9
2218024		64864 Coca-Cola Bottling Co	140 Gilbert Dr	Hopkinsville	2
5958024		47380 Collins Buick GMC Trucks Inc	611 N Main St	Hopkinsville	5
5073024		62659 Country Boy Store	5845 Gracey Herndon Rd	Hopkinsville	4
20161229		70277 Crawfords Grocery	Hwy 508	Hopkinsville	2
5497024		37669 D & J Tire Disposal	1728 Greenville Rd	Hopkinsville	3
1319024		62629 Dailys 3052	1411 E 9th Street	Hopkinsville	4
2572024		63512 Daves Texaco	2100 Walnut Street	Hopkinsville	5
1030024		69730 Dixie Transmission	1001 N Main Street	Hopkinsville	3
6306024		62628 Dodges Store	1204 W 7th Street	Hopkinsville	6
8564024		62661 Dyno Mart	2415 Greenville Rd	Hopkinsville	2
290024		762 Ebonite International Inc	1813 W 7th St	Hopkinsville	1
5507024		62665 Eds Skyline Texaco	2901 Ft Campbell Blvd	Hopkinsville	4
2500024		63455 Firestone Store 40f3	4000 Ft Campbell Blvd	Hopkinsville	1
0		52878 Foard Property	7621 Ft Campbell Blvd	Hopkinsville	4
7950024		66113 Former Ashland	9th & Cleveland Streets	Hopkinsville	1
1037024		69665 Former Batic Mazda/Kennedy Texac	9th & Walnut Streets	Hopkinsville	5
1031024		69716 Former Cadillac/Pontiac Dlrship	4th & Main Street	Hopkinsville	3
1035024		69663 Former Humphries Service Station	330 N Main Street	Hopkinsville	5
4369024		64461 Former Phillips 66	US 41A & Skyline Dr	Hopkinsville	6
6630024		69338 Fort Campbell Blvd 66 Service	2704 Ft Campbell Blvd	Hopkinsville	4
1016024		62671 Foston Chapel Pump Sta	Service Rd at End of Sivley Rd	Hopkinsville	1
1011024		62672 Gates Grocery	6310 Pembroke Oak Grove Rd	Pembroke	1
4786024		64631 General Steel Contractors	123 Sanderson Dr	Hopkinsville	1
0		76951 Geraldine Mosley Property	2830 Russellville Rd	Hopkinsville	2
3410024		62674 Hammond Moving & Storage	4001 Ft Campbell Blvd	Hopkinsville	3
20168561		70393 Heltsleys Property	200 Virginia St	Hopkinsville	5
10000257		45503 Highland Elementary School	141 Highland School Rd	Hopkinsville	1
5138024		64934 Highland Park Garage	12th & Bethel St	Hopkinsville	1
8460024		62675 Holiday BP Service	2920 Ft Campbell Blvd	Hopkinsville	5
7319024 & 7325024	66802, 66807 &	66808 Hopkinsville Bulk Plant 024	2314 Fort Campbell Blvd & 1106 W 15th St	Hopkinsville	5
3426024		62676 Hopkinsville Christian Co Arprt	2600 Russellville Rd	Hopkinsville	3
5468024		68622 Hopkinsville Electric System	4th St at L&N Railroad	Hopkinsville	1
8576024		37676 Hopkinsville Elevator Co - Hopkinsville	1040 Skyline Dr	Hopkinsville	1
1165024		766 Hopkinsville Hammond Wood WWTP	401 E 9th St	Hopkinsville	3
10000254		45505 Hopkinsville High School	430 Koffman Dr	Hopkinsville	1
5067024		37679 Hopkinsville Milling Co	1601 S Campbell St	Hopkinsville	2

SITE SEQUENCE ID	MASTER AI	MASTER_AI NAME	ADDRESS	CITY	COUNT_UST_RECORDS
6632024		57368 Hopkinsville Oil Co	708 N Main St	Hopkinsville	5
2662024		63590 Hopkinsville Recapping	1300 S Clay St	Hopkinsville	1
7322024		66805 Hopkinsville Sign Company	1107 E 9th St	Hopkinsville	1
3411024		770 Hopkinsville Water Environment Authority	1000 Metcalfe Ln	Hopkinsville	1
9592024		62638 Ideal No 8 Rocket Oil	2500 Ft Campbell Blvd	Hopkinsville	10
8756024		62639 Indian Hills Bp	3201 Canton St	Hopkinsville	3
2612024		63547 J C Penney Co Inc	4000 Ft Campbell Blvd	Hopkinsville	1
1024024		66327 JR Food Store 47	301 E 21st St	Hopkinsville	2
1408024		65852 James R Collins	1027 N Main St	Hopkinsville	1
1103024		774 Jennie Stuart Medical Center	320 W 18th St	Hopkinsville	1
8451024		69593 John Brandon	2435 Edwards Mill Rd	Hopkinsville	2
6663024		69316 Kennedy Texaco	3225 Lafayette Rd	Hopkinsville	3
0		83682 Key Oil Company	206 E 25th St	Hopkinsville	6
20084979		63006 Kroger U-522	1213 Skyline Dr	Hopkinsville	2
0		80834 L and L Car Wash	1750 Greenville Rd	Hopkinsville	2
4245024		62641 Lander Hardware Co	124 S Main St	La Fayette	1
1022024		62642 Lathams Service Station	10850 Russellville Rd	Fairview	3
3190024		43859 Lee Masonry Products Inc	1005 N Vine St	Hopkinsville	4
6634024		69325 Little River Radiator (Powell)	1524 W 7th St	Hopkinsville	4
8457024		65691 Main Street BP	127 S Main	Hopkinsville	4
1313024		65935 Mapco Express 1050	1901 S Walnut St	Hopkinsville	4
8582024		65625 Mark Thomas Chevron	515 W 9th St	Hopkinsville	3
6633024		57367 Max Arnold & Sons Inc	702 N Main St	Hopkinsville	9
8559024		771 Max Fuel #24	11725 Ft Campbell Blvd	Oak Grove	6
4203024		62645 Max Fuel No 1	7th & Campbell St	Hopkinsville	3
3074024		62648 Max Fuel No 19	1500 Glass Ave	Hopkinsville	6
8588024		62649 Max Fuel No 2	1100-A W 7th St	Hopkinsville	6
8571024		62650 Max Fuel No 4	800 N Main	Hopkinsville	4
8592024		62644 Max Fuel No 6	2103 Ft Campbell Blvd	Hopkinsville	5
4957024		755 Maxfuel Express #11	4124 Ft Campbell Blvd	Hopkinsville	12
3075024		62654 Maxfuel Express 18	3130 Canton St	Hopkinsville	5
6840024		62637 Maxfuel Express 20	3221 Lafayette	Hopkinsville	3
3202024		62652 Maxfuel No 24	N Dr & 7th St	Hopkinsville	3
1600024		65342 Mcgee Pest Control Inc	1826 Walnut St	Hopkinsville	1
6638024		69327 Meachams 66 Service	Hwy 41 S/2741 Pembroke Rd	Hopkinsville	2
7324024		37692 Mid-Continent Spring Co	Industrial Dr	Hopkinsville	2
1033024		44698 Millbrooke Elementary School	415 Milbrooke Dr	Hopkinsville	1
8992024		65466 Minit Market 1	540 W 9th St	Hopkinsville	3
1008024		62655 Minit Mart #92	125 W Nashville Rd	Pembroke	4
6351024		69455 Minit Mart 90	150 W Nashville Rd	Pembroke	5
3078024		62653 Minit Mart No 2 100294	1739 Canton St	Hopkinsville	2
191024		62636 Moes Service Center	112 E Nashville St	Pembroke	4
3155024		62620 Monarch Oil	6500 Hwy 41A	Oak Grove	7
10000275		62621 Murphy Oil USA Inc 5626	240 Clinic Dr	Hopkinsville	3
4744024		64624 Northside Drive Thru	626 North Dr	Hopkinsville	2
0		78044 Old Sinclair Station - Christian Co	1101 E 9th St	Hopkinsville	4
3999024		64275 P & E Distributing Co	Remington Rd at Bradshaw Pike	Hopkinsville	1
1013024		66449 Parcel 53 (Item No. 2-1010.0)	Hwy 68 & Overby Ln	Hopkinsville	2
2540024		773 Paris Packaging Inc	203 Commerce Ct	Hopkinsville	1
5503024		62622 Parkway Chevron	310 Mclean Ave	Hopkinsville	4

SITE SEQUENCE ID	MASTER AI	MASTER_AI NAME	ADDRESS	CITY	COUNT_UST_RECORDS
8450024		62623 Patriot Chevrolet Co	512 S Clay St	Hopkinsville	3
893024		44987 Pembroke Elementary School	1600 Pembroke Oak Grove Rd	Pembroke	2
1012024		66836 Pennyrile Allied Community Servs	1101 S Liberty St	Hopkinsville	1
8585024		65626 Pennyrile Car Wash	2943 Ft Campbell Blvd	Hopkinsville	5
3982024		64260 Pennyrile Rural Electric Coop Corp - Hopkinsville Dist Office	2000 Harrison St	Hopkinsville	3
6293024		57365 Pepsi Cola Bottling Co	2307 Canton St	Hopkinsville	2
2659024		787 Plymouth Engineered Shapes	201 Commerce St	Hopkinsville	1
3848024		64211 Quik Stop	3231 Lafayette Rd	Hopkinsville	2
1617024		62624 Raceway No 722	2405 Ft Campbell Blvd	Hopkinsville	3
2064024		62668 Randy's Automotive	3202 Canton St	Hopkinsville	6
8554024		65661 Roeder Imp Co	1010 Skyline Dr	Hopkinsville	3
1021024		62625 Rogers Auto Service	309 Main St	Hopkinsville	4
10000012		62626 Rogers Body Shop	2514 Ft Campbell Blvd	Hopkinsville	6
8557024		65638 Ronald Berry	6620 Pilot Rock Rd	Hopkinsville	3
5607024		62627 Sanwood Corp	2625 Cadiz Rd	Hopkinsville	4
4246024		47390 Scott Oldsmobile Inc	2507 Ft Campbell Blvd	Hopkinsville	2
8472024		54704 Scotts Service Center	1828 E 9th	Hopkinsville	5
8474024		4788 Seay Oil Co Inc	700 W 15th St	Hopkinsville	1
2378024		64729 Service Transport	202 Gilbert St	Hopkinsville	2
20150660		70174 Seventh Street Gulf Station	1523 W 7th St	Hopkinsville	2
1232024		66009 Shaws Grocery	5445 Pilot Rock Rd	Hopkinsville	2
1428024		62651 Shell Food Mart	9th & Campbell St	Hopkinsville	4
1009024		47391 Sisk Motor Co Inc	401 E 9th St	Hopkinsville	5
1554024		62630 Skyline Fuel Center	1029 Skyline	Hopkinsville	3
760024		47393 South Central Bell Hpvkypc 53629	801 Richard St	Hopkinsville	3
4788024		4780 Southern States Cooperative Inc	520 Woolridge Rd	Hopkinsville	3
4680024		62631 Speedway SuperAmerica LLC 5472	2812 Ft Campbell Blvd	Hopkinsville	4
2318024		64770 Stites Texaco	3111 Canton Pike	Hopkinsville	8
1017024		62635 Stone Valley Pump Sta	Serv Rd/End of Stone Valley Dr	Hopkinsville	1
20041152		57480 Sullivan Tire Service	316 W 9th St	Hopkinsville	3
1019024		62603 Swifty Station 284	2310 Ft Campbell Blvd	Hopkinsville	4
9991024		62606 The Pantry 679 dba Kangaroo Express	2175 Russellville Rd	Hopkinsville	3
9983024		62604 The Pantry No 391	3249 Lafayette Rd	Hopkinsville	3
70024		67627 Thomas Industries Inc	1700 Gilbert St	Hopkinsville	2
1023024		62607 Thompson & Perkins	401 S main St	Hopkinsville	3
1520024		62610 U C Milk Co Inc	17th & Walnut	Hopkinsville	1
3409024		793 United Parcel Service	118 Faultless Rd	Hopkinsville	2
3261024		62611 Utleys Auto Sales	630 W 7th St	Hopkinsville	4
2842024		63746 Vertner Smith West Inc	Cherokee Trace & Bradshaw Pk	Hopkinsville	1
1102024		797 W H Manufacturing	110 Bill Bryan Blve	Hopkinsville	6
6682024		67766 W K Furniture Outlet	2204 Ft Campbell Blve	Hopkinsville	6
129024		67567 W R Grace & Co	1606 Industrial Dr	Hopkinsville	2
20138989		15770 Wal-Mart 6066	690 Crenshaw Blvd	Hopkinsville	4
3446024		69231 West KY Welding	758 W 15th St	Hopkinsville	1
372024		40411 Western State Hospital	2400 Russellville Rd	Hopkinsville	3
8583024		52807 Winstons Chevron	1114 S Main St	Hopkinsville	3
4492024		62613 Winstons Service Station	1602 E 7th St	Hopkinsville	9
8758024		63351 Yates Service Station	1211 W 7th St	Hopkinsville	10
600024		67097 Yellow Freight System Inc	114 Lacy Ln	Hopkinsville	2
					492

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

Target Property:

HOPKINSVILLE KY 42240

Job Number: 61312

PREPARED FOR:

Stantec

1848 Summit Road

Cincinnati, OH 45237

06-13-12



Tel: (781) 551-0470

Fax: (781) 551-0471

Environmental FirstSearch

Search Summary Report

Target Site:

HOPKINSVILLE KY 42240

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	05-09-12	1.00	0	0	0	0	0	0	0
NPL Delisted	Y	05-09-12	0.50	0	0	0	0	-	0	0
CERCLIS	Y	04-30-12	0.50	1	0	0	0	-	1	2
NFRAP	Y	04-30-12	0.50	3	0	0	0	-	4	7
RCRA COR ACT	Y	05-09-12	1.00	1	0	0	0	0	0	1
RCRA TSD	Y	05-09-12	0.50	2	0	0	0	-	0	2
Federal Brownfield	Y	05-01-12	0.25	0	0	0	-	-	0	0
Tribal Lands	Y	12-15-08	1.00	0	0	0	0	0	5	5
State/Tribal Sites	Y	02-01-12	1.00	23	0	1	0	0	36	60
State/Tribal SWL	Y	05-12-11	0.50	5	0	0	0	-	10	15
State/Tribal LUST	Y	05-30-12	0.50	22	0	2	1	-	8	33
State/Tribal EC	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal IC	Y	NA	0.25	0	0	0	-	-	0	0
State/Tribal VCP	Y	NA	0.50	0	0	0	0	-	0	0
State/Tribal Brownfields	Y	02-02-12	0.50	0	0	0	0	-	0	0
Federal IC/EC	Y	03-13-12	0.50	0	0	0	0	-	0	0
- TOTALS -				57	0	3	1	0	64	125

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

***Environmental FirstSearch
Site Information Report***

Request Date: 06-13-12
Requestor Name: bleopold/stantec/bc
Standard: ASTM-05

Search Type: AREA
155.99 sq mile(s)
Job Number: 61312
Filtered Report

Target Site:

HOPKINSVILLE KY 42240

Demographics

Sites: 125	Non-Geocoded: 64	Population: NA
Radon: 0 - 4.3 PCI/L		

Site Location

	<u>Degrees (Decimal)</u>	<u>Degrees (Min/Sec)</u>		<u>UTMs</u>
Longitude:	-87.451211	-87:27:4	Easting:	459746.998
Latitude:	36.799957	36:47:60	Northing:	4072573.615
Elevation:	N/A		Zone:	16

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

Services:

ZIP		ST	Dist/Dir	Sel
Code	City Name			
42236	HERNDON	KY	0.00 --	Y
42262	OAK GROVE	KY	0.00 --	Y
42266	PEMBROKE	KY	0.00 --	Y
42286	TRENTON	KY	0.00 --	Y
42223	FORT CAMPBELL	KY	0.63 SE	N

	Requested?	Date
Fire Insurance Maps	No	
Aerial Photographs	No	
Historical Topos	No	
City Directories	No	
Title Search/Env Liens	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch

Sites Summary Report

Target Property:
HOPKINSVILLE KY 42240

JOB: 61312

TOTAL: 125 **GEOCODED:** 61 **NON GEOCODED:** 64 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
1	CERCLIS	GRAY PCB KYD985066885/NOT PROPOSED	1012 MOAYON DR HOPKINSVILLE KY 42240	0.00 --	N/A	1
39	LUST	SANWOOD CORP. 5607024/CLOSURE WORKGROUP	2625 CADIZ RD HOPKINSVILLE KY 42240	0.00 --	N/A	3
42	LUST	SULLIVAN TIRE SERVICE 20041152	316 W 9TH ST HOPKINSVILLE KY 42240	0.00 --	N/A	6
26	LUST	AUTO-RAMA INC 2607024	1029 W 7TH ST HOPKINSVILLE KY 42240	0.00 --	N/A	8
27	LUST	CHEVRON 4957024/CORECTIVE ACTION WOR	4124 FORT CAMPBELL BLVD HOPKINSVILLE KY 42240	0.00 --	N/A	11
28	LUST	DODGES STORE 6306024/PENDING	1204 W 7TH ST HOPKINSVILLE KY 42240	0.00 --	N/A	16
29	LUST	GERALDINE MOSLEY PROPERTY 76951	2830 RUSSELLVILLE RD HOPKINSVILLE KY 42240	0.00 --	N/A	20
30	LUST	HAMMOND MOVING and STORAGE 3410024	4001 FORT CAMPBELL BLVD HOPKINSVILLE KY 42240	0.00 --	N/A	22
31	LUST	HELTSLEYS PROPERTY 20168561	200 VIRGINIA ST HOPKINSVILLE KY 42240	0.00 --	N/A	24
32	LUST	MAX FUEL NO 19 3074024	1500 GLASS AVE HOPKINSVILLE KY 42240	0.00 --	N/A	26
33	LUST	MURPHY OIL USA INC 5626 10000275	240 CLINIC DR HOPKINSVILLE KY 42240	0.00 --	N/A	26
34	LUST	PANTRY 391 9983024/CLOSURE WORKGROUP	3249 LAFAYETTE RD HOPKINSVILLE KY 42240	0.00 --	N/A	28
35	LUST	PANTRY 394 9984024/CLOSURE WORKGROUP	932 N MAIN ST HOPKINSVILLE KY 42240	0.00 --	N/A	30
36	LUST	PATRIOT CHEVROLET CO INC-BILL 8450024/CLOSURE WORKGROUP	512 S CLAY ST HOPKINSVILLE KY 42240	0.00 --	N/A	32
38	LUST	RICHS CHEVRON 4879024/CORECTIVE ACTION WOR	2808 FORT CAMPBELL BLVD HOPKINSVILLE KY 42240	0.00 --	N/A	34
43	LUST	THE PANTRY NO 679 9991024	2175 RUSSELLVILLE RD HOPKINSVILLE KY 42240	0.00 --	N/A	39
40	LUST	SEVENTH STREET GULF STATION 20150660/CLOSURE WORKGROUP	1523 W 7TH ST HOPKINSVILLE KY 42240	0.00 --	N/A	41
41	LUST	SPEEDWAY SUPERAMERICA LLC 5472 4680024/PENDING	2812 FORT CAMPBELL BLVD HOPKINSVILLE KY 42240	0.00 --	N/A	43
17	LUST	51704	1828 E 9TH HOPKINSVILLE KY 42240	0.00 --	N/A	45
46	LUST	WINSTONS SERVICE STATION (BOYD 4492024/CAW	1602 E 7TH ST HOPKINSVILLE KY 42240	0.00 --	N/A	47
45	LUST	UTLEYS AUTO SALES 3261024/PENDING	630 W 7TH ST HOPKINSVILLE KY 42240	0.00 --	N/A	53

Environmental FirstSearch

Sites Summary Report

Target Property:
HOPKINSVILLE KY 42240

JOB: 61312

TOTAL: 125 **GEOCODED:** 61 **NON GEOCODED:** 64 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
44	LUST	THOMPSON and PERKINS 1023024	401 S MAIN ST HOPKINSVILLE KY 42240	0.00 --	N/A	55
37	LUST	RACEWAY NO 722 1617024/PENDING	2405 FORT CAMPBELL BLVD HOPKINSVILLE KY 42240	0.00 --	N/A	55
2	NFRAP	PHELPS DODGE MAGNET WIRE COMPA KYD042595074/NFRAP-N	2669 PEMBROKE RD HOPKINSVILLE KY 42240	0.00 --	N/A	56
3	NFRAP	PHILLIPS PETROLEUM KYD980515688/NFRAP-N	1857 CALVIN DR HOPKINSVILLE KY 42240	0.00 --	N/A	57
4	NFRAP	THOMAS INDUSTRIES KYD006379325/NFRAP-N	1700 GILBERT ST HOPKINSVILLE KY 42240	0.00 --	N/A	57
5	RCRACOR	HOPKINSVILLE STONE COMPANY KYD147790273/CA	41 MAIN ST HOPKINSVILLE KY 42240	0.00 --	N/A	59
5	RCRATSD	HOPKINSVILLE STONE COMPANY KYD147790273/TSD	41 MAIN ST HOPKINSVILLE KY 42240	0.00 --	N/A	62
6	RCRATSD	OMNITECH, INC. KYD981805989/TSD	1808 DAWSON SPRINGS RD HOPKINSVILLE KY 42240	0.00 --	N/A	64
16	STATE	ROY WHITE PROPERTY KYST-0357/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	66
20	STATE	WINSTONS CHEVRON KYST-0363/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	66
19	STATE	WEBER STREET MERCURY SITE KYST-0207-82434/CLOSED	512 WEBER ST HOPKINSVILLE KY 42240	0.00 --	N/A	67
17	STATE	SCOTTS SERVICE CENTER KYST-0358/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	67
15	STATE	PARIS PACKAGING INC KYST-0106-000773/CLOSED	203 COMMERCE CT HOPKINSVILLE KY 42240	0.00 --	N/A	68
8	STATE	AG SPRAY EQUIPMENT INC B6715/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	68
3	STATE	ABTCO BUILDING PRODUCTS KYST0102-0016/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	69
7	STATE	1000 SOUTH CLAY ST KYST-0338/CLOSED	1000 S CLAY ST HOPKINSVILLE KY 42240	0.00 --	N/A	69
18	STATE	SONNYS AUTO SALES 97002/CLOSED	1877 E 9TH ST HOPKINSVILLE KY 42240	0.00 --	N/A	70
10	STATE	EFTEC NORTH AMERICA LLC B6983/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	70
3	STATE	PHILLIPS PETROLEUM KYST-0356/CLOSED	1857 CALVIN DR HOPKINSVILLE KY 42240	0.00 --	N/A	71
11	STATE	FAULTLESS HARDWARE B3454/CLOSED	120 FAULTLESS RD HOPKINSVILLE KY 42240	0.00 --	N/A	71

Environmental FirstSearch

Sites Summary Report

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

TOTAL: 125 **GEOCODED:** 61 **NON GEOCODED:** 64 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
4	STATE	GENLYTE THOMAS GROUP LLC A1553/ACTIVE	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	72
1	STATE	HOWARD NED GRAY PROPERTY KYST-0345/ACTIVE	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	72
9	STATE	CHRISTIAN COUNTY QUAIL CLUB 108982/CLOSED	2464 QUAIL CLUB RD HOPKINSVILLE KY 42240	0.00 --	N/A	73
6	STATE	OMNITECH KYST-0350/CLOSED	1808 DAWSON SPRINGS RD HOPKINSVILLE KY 42240	0.00 --	N/A	73
13	STATE	KEY OIL COMPANY 83682/ACTIVE	206 E 25TH ST HOPKINSVILLE KY 42240	0.00 --	N/A	74
2	STATE	PHELPS DODGE MAGNET WIRE A1903/CLOSED	2669 PEMBROKE RD HOPKINSVILLE KY 42240	0.00 --	N/A	74
2	STATE	PHELPS DODGE MAGNET WIRE CO KYST0102-0018/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	75
2	STATE	PHELPS DODGE MAGNET WIRE COMPA KYST-0355/CLOSED	2669 PEMBROKE RD HOPKINSVILLE KY 42240	0.00 --	N/A	76
2	STATE	PHELPS DODGE MAGNET WIRE COMPA KYST-0354/CLOSED	2669 PEMBROKE RD HOPKINSVILLE KY 42240	0.00 --	N/A	76
12	STATE	GENLYTE THOMAS GROUP / THOMAS KYST-0344/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	77
14	STATE	METALSA SA DE CV A2749/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	0.00 --	N/A	77
25	SWL	HOPKINSVILLE WATER ENVIRONMENT KYSW-0407-000770/OPERATING	1300 VINE ST HOPKINSVILLE KY 42240	0.00 --	N/A	78
24	SWL	HOPKINSVILLE COMPOSTING FACILI 024-00033/OPERATING	1500 CEDAR AVENUE HOPKINSVILLE KY 42240	0.00 --	N/A	78
23	SWL	GRUPO ANTOLIN KY KYSW-0406-000765/PROPOSED	208 COMMERCE CT HOPKINSVILLE KY 42240	0.00 --	N/A	79
22	SWL	D and J TIRE DISPOSAL 024-00013/TERMINATED	1728 GREENVILLE RD HOPKINSVILLE KY 42240	0.00 --	N/A	80
21	SWL	BURKHEAD and SCOTT INC 024-00029/ACTIVE	2497 GREENVILLE RD HOPKINSVILLE KY 42240	0.00 --	N/A	81
47	LUST	FLYING J TRAVEL PLAZA 1034-024/CLOSURE WORKGROUP	18750 HERNDON OAK GROVE RD OAK GROVE KY 42262	0.22 SE	N/A	81
47	LUST	FLYING J TRAVEL PLAZA 1034024	18750 HERNDON OAK GROVE RD OAK GROVE KY 42262	0.22 SE	N/A	82
47	STATE	FLYING J TRAVEL PLAZA 662 C1991/CLOSED	UNKNOWN OAK GROVE KY 42262	0.22 SE	N/A	82
48	LUST	PILOT TRAVEL CTR. 357 8558024/CLOSURE WORKGROUP	12745 FORT CAMPBELL BLVD OAK GROVE KY 42262	0.33 SE	N/A	84

Environmental FirstSearch

Sites Summary Report

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

TOTAL: 125 **GEOCODED:** 61 **NON GEOCODED:** 64 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	CERCLIS	BUTLER ROAD MERCURY SPILL KYN000410565/NOT PROPOSED	3915 BUTLER RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	LUST	SERVICE STATION 80866	HWY 41 TRENTON KY 42286	NON GC	N/A	N/A
	LUST	MONARCH OIL 3155024/NON-PSTEAF ELIGIBLE	6500 HWY 41A OAK GROVE KY 42262	NON GC	N/A	N/A
	LUST	ASHLAND BRANDED MARKETING 024 7327024/PENDING	PO BOX 217 OAK GROVE KY 42262	NON GC	N/A	N/A
	LUST	ABANDONED US 41 A STATION 1018024	HWY 41A OAK GROVE KY 42262	NON GC	N/A	N/A
	LUST	SHELL FOOD MART 1428024	9TH and CAMPBELL ST HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	LUST	OATTS PROPERTY 76950	8990 HIGHWAY 507 HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	LUST	CARLS GENERAL STORE 8926-024/CLOSURE WORKGROUP	HIGHWAY 189 HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	LUST	CARLS GENERAL STORE 8926024	HWY 189 HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	NFRAP	PENNYRILE INDUSTRIAL KYD980799068/NFRAP-N	HIGHWAY 68 HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	NFRAP	FULLER, PHILLIP PROPERTY KYD981929789/NFRAP-N	PRINCETON RD PEMBROKE KY 42266	NON GC	N/A	N/A
	NFRAP	HOPKINSVILLE SANITARY LANDFILL KYD980501142/NFRAP-N	MOUNT ZOAR RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	NFRAP	HOPKINSVILLE CITY DUMP KYD980501126/NFRAP-N	MOUNT ZOAR RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	UNKNOWN B2215/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	OMNITECH KYST-0351/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	OMNITECH 35751/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	PENNYRILE INDUSTRIAL KYST-0353/CLOSED	HIGHWAY 68 HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	SWISHER TOBACCO WAREHOUSE KYST-0360/MANAGED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	TEXACO BULK - HOPKINSVILLE KYST-0361/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	TEXACO REFINING AND MARKETING A8190/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A

Environmental FirstSearch

Sites Summary Report

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

TOTAL: 125 **GEOCODED:** 61 **NON GEOCODED:** 64 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	STATE	OMNITECH KYST-0352/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	UNKNOWN 06324/ACTIVE	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	SHILOH CHURCH RD DRUMS KYST-0359/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	WHITE A8690/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	BARKER FAMILY TRUST FARM - DRU KYST-1205-000012/CLOSED	KY 1453 PEMBROKE KY 42266	NON GC	N/A	N/A
	STATE	FULLER PROPERTY KYST-0343/ACTIVE	UNKNOWN PEMBROKE KY 42266	NON GC	N/A	N/A
	STATE	TODD CO FLEA MARKET KYST0102-0286/CLOSED	UNKNOWN TRENTON KY 42286	NON GC	N/A	N/A
	STATE	WHITNEY WELCOME CENTER - CHRIS 99450/CLOSED	I-24 TRENTON KY 42286	NON GC	N/A	N/A
	STATE	B4385/ACTIVE	UNKNOWN TRENTON KY 42286	NON GC	N/A	N/A
	STATE	THOMAS and ISON C1705/ACTIVE	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	FOARD PROPERTY KYST-0339/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	CHRISTIAN CO RESIDENT ENGINEER 99541/CLOSED	1010 OLD CONCORD RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	CHRISTIAN CO STATE MAINTENANCE 775/CLOSED	US 41 HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	CHRISTIAN DRUMS KYST0102-0017/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	TENNESSEE VALLEY AUTHORITY (TV 49716/ACTIVE	SUBSTATION RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	OMNITECH 35468/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	FEARD A8192/NON INCIDENT	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	CITY OF HOPKINSVILLE - MSU DRI KYST-0204-000016/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	FORT CAMPBELL - US ARMY KYST-0340/ACTIVE	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	GRAY PROPERTY 109811/CLOSED	155 CAYCE AVE HOPKINSVILLE KY 42240	NON GC	N/A	N/A

Environmental FirstSearch

Sites Summary Report

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

TOTAL: 125 **GEOCODED:** 61 **NON GEOCODED:** 64 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	STATE	GRAY PROPERTY 109941/CLOSED	155 CAYCE AVE HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	HOPKINSVILLE SANITARY LANDFILL KYST-0347/CLOSED	MOUNT ZOAR RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	HOPKINSVILLE WATER ENVIRONMENT C0452/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	HYDE OIL COMPANY A4419/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	INTERNATIONAL PAPER 37403/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	INTERNATIONAL PAPER CORP. KYST-0348/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	MSU DR - CHRISTIAN CO KYST-0304-121584/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	OMNI-TECH A2233/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	STATE	ECW-65 OMNITECH/ ECW 20116/CLOSED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	SWL	CHRISTIAN CO CONVENIENCE CENTE KYSW-0407-037663/OPERATING	E MT ZOAR RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	SWL	WILLIAMS RECYCLING KYSW-0406-043549/INACTIVE	3255 OLD MADISONVILLE RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	SWL	HOPKINSVILLE WATER ENVIRONMENT 024-00030/OPERATING	GARY LN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	SWL	CLARKE PETROLEUM ELECTRONICS KYSW-0407-037664/INACTIVE	MADISONVILLE RD HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	SWL	CHRISTIAN COUNTY CONVENIENCE C 024-00014/APPLICATION APPROVED	EAST MT ZOAR ROAD NEAR THE HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	SWL	BROWNS TIRES 024-00032/TERMINATED	UNKNOWN HOPKINSVILLE KY 42240	NON GC	N/A	N/A
	SWL	RECYCLING CENTER INC 024-00017/TERMINATED	BROAD STREET PEMBROKE KY 42266	NON GC	N/A	N/A
	SWL	RALPH COMBS LANDFILL KYSW-0406-043548/TERMINATED	KY 1027 PEMBROKE KY 42266	NON GC	N/A	N/A
	SWL	MILES CAUGHEY KYSW-0406-043328/TERMINATED	7309 BINNS MILL RD HERNDON KY 42236	NON GC	N/A	N/A
	SWL	CITY OF TRENTON WWTP 110-00005/OPERATING	WASTEWATER RD TRENTON KY 42286	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-42286	UNKNOWN KY 42286	NON GC	N/A	N/A

***Environmental FirstSearch
Sites Summary Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

TOTAL: 125 **GEOCODED:** 61 **NON GEOCODED:** 64 **SELECTED:** 0

Map ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	ElevDiff	Page No.
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-42240	UNKNOWN KY 42240	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-42236	UNKNOWN KY 42236	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-42262	UNKNOWN KY 42262	NON GC	N/A	N/A
	TRIBALLAND	BUREAU OF INDIAN AFFAIRS CONTA BIA-42266	UNKNOWN KY 42266	NON GC	N/A	N/A

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

NFRAP

SEARCH ID: 2 **DIST/DIR:** 0.00 -- **ELEVATION:** 578 **MAP ID:** 2

NAME: PHELPS DODGE MAGNET WIRE COMPANY ADDRESS: 2669 PEMBROKE RD HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: EPA	REV: 4/30/12 ID1: KYD042595074 ID2: 0406324 STATUS: NFRAP-N PHONE:
--	---

DESCRIPTION:

FACILITY DRAWS and INSULATES COPPER WIRE. CRESYLIC ACID (CRESOL and PHENOL BLEND) SPILLED UNDER BUILDING FLOOR.FACILITY DRAWS and INSULATES COPPER WIRE. CRESYLIC ACID (CRESOL and PHENOL BLEND) SPILLED UNDER BUILDING FLOOR. The ESI report was accepted as final

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		1/11/1999
DISCOVERY	State, Fund Financed		2/15/1995
EXPANDED SITE INSPECTION NFRAP: NO FURTHER REMEDIAL ACTION PLANNED	EPA Fund-Financed		1/11/1999
PRELIMINARY ASSESSMENT LOW PRIORITY FOR FURTHER ASSESSMENT	State, Fund Financed		6/26/1995
SITE INSPECTION LOW PRIORITY FOR FURTHER ASSESSMENT	State, Fund Financed		9/20/1996

Environmental FirstSearch
Site Detail Report

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

NFRAP

SEARCH ID: 3 **DIST/DIR:** 0.00 -- **ELEVATION:** 534 **MAP ID:** 3

NAME: PHILLIPS PETROLEUM ADDRESS: 1857 CALVIN DR HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: EPA	REV: 4/30/12 ID1: KYD980515688 ID2: 0402099 STATUS: NFRAP-N PHONE:
--	---

DESCRIPTION:

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		4/27/1989
DISCOVERY	EPA Fund-Financed		11/1/1979
PRELIMINARY ASSESSMENT LOW PRIORITY FOR FURTHER ASSESSMENT	State, Fund Financed		8/29/1985
SITE INSPECTION NFRAP: NO FURTHER REMEDIAL ACTION PLANNED	EPA Fund-Financed		4/27/1989

NFRAP

SEARCH ID: 4 **DIST/DIR:** 0.00 -- **ELEVATION:** 564 **MAP ID:** 4

NAME: THOMAS INDUSTRIES ADDRESS: 1700 GILBERT ST HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: EPA	REV: 4/30/12 ID1: KYD006379325 ID2: 0406323 STATUS: NFRAP-N PHONE:
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DESCRIPTION:

SOIL AND GROUNDWATER CONTAMINATION ON-SITE			
ACTION/QUALITY	AGENCY/RPS	START/RAA	END
ARCHIVE SITE	EPA In-House		4/18/1996
DISCOVERY	State, Fund Financed		2/15/1995
PRELIMINARY ASSESSMENT NFRAP: NO FURTHER REMEDIAL ACTION PLANNED	State, Fund Financed		4/18/1996

***Environmental FirstSearch
Site Detail Report***

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

RCRACOR

SEARCH ID: 7 **DIST/DIR:** 0.00 -- **ELEVATION:** 609 **MAP ID:** 5

NAME: HOPKINSVILLE STONE COMPANY
ADDRESS: 41 MAIN ST
HOPKINSVILLE KY 42440
CHRISTIAN
CONTACT:
SOURCE: EPA

REV: 5/9/12
ID1: KYD147790273
ID2:
STATUS: CA
PHONE:

SITE INFORMATION

CONTACT INFORMATION: JOHN W. SWEENEY
41 NORTH MAIN STREET
HOPKINSVILLE KY 42440

PHONE: 5028863344

OWNER NAME: HOPKINSVILLE STONE COMPANY
OWNER TYPE: P-PRIVATE

OPERATOR:
OPERATOR TYPE:
MAILING ADDRESS: 41 NORTH MAIN STREET
HOPKINSVILLE, KY 42440

UNIVERSE INFORMATION:

RECEIVED DATE: 04/30/1993

SUBJECT TO CORRECTIVE ACTION (SUBJCA)

SUBJCA: Y - SUBJECT TO CORRECTIVE ACTION
SUBJCA TSD 3004: N - NO
SUBJCA NON TSD: N - NO
SIGNIFICANT NON-COMPLIANCE(SNC): N - NO
BEGINNING OF THE YEAR SNC:
PERMIT WORKLOAD: ----
CLOSURE WORKLOAD: ----
POST CLOSURE WORKLOAD: ----
PERMITTING /CLOSURE/POST-CLOSURE PROGRESS: L----
CORRECTIVE ACTION WORKLOAD: N - NO
GENERATOR STATUS: N

INSTITUTIONAL CONTROL: N-NO
HUMAN EXPOSURE: N-NO
LAND TYPE: P-PRIVATE
TRANS FACILITY: N

ENGINEERING CONTROL: N
GW CONTROLS: N- NO
SHORT TERM GEN: N
REC WASTE FROM OFF SITE: N

IMPORTER ACTIVITY: N - NO
TRANS ACTIVITY: N - NO
RECYCLER ACTIVITY: N - NO
FURNACE EXEMPTION: N - NO
REC WASTE FROM OFF SITE: N - NO
USED OIL TRANS: N - NO
USED OIL REFINER: N - NO
UO FUEL MARKETER TO BURNER: N

MIXED WASTE GEN: N - NO
TSD ACTIVITY: Y - YES
ONSITE BURNER EXEMPT: N - NO
UNDER INJECT ACTIVITY: N - NO
UNIV WASTE DEST FAC: N
USED OIL PROCESSOR: N - NO
USED OIL FUEL BURNER: N - NO
USED OIL SPEC MARKETER: N - NO

NAIC INFORMATION

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

RCRACOR

SEARCH ID: 7 **DIST/DIR:** 0.00 -- **ELEVATION:** 609 **MAP ID:** 5

NAME: HOPKINSVILLE STONE COMPANY
ADDRESS: 41 MAIN ST
HOPKINSVILLE KY 42440
CHRISTIAN
CONTACT:
SOURCE: EPA

REV: 5/9/12
ID1: KYD147790273
ID2:
STATUS: CA
PHONE:

33312 - CONSTRUCTION MACHINERY MANUFACTURING

ENFORCEMENT INFORMATION:

AGENCY:	STATE	DATE:	89/25/1989
TYPE:	WRITTEN INFORMAL		
AGENCY:	STATE	DATE:	91/01/1991
TYPE:	WRITTEN INFORMAL		
AGENCY:	STATE	DATE:	91/01/1991
TYPE:	FINAL 3008(A) COMPLIANCE ORDER		
AGENCY:	STATE	DATE:	91/16/1991
TYPE:	FINAL 3008(A) COMPLIANCE ORDER		
AGENCY:	STATE	DATE:	92/24/1992
TYPE:	WRITTEN INFORMAL		
AGENCY:	STATE	DATE:	93/30/1993
TYPE:	WRITTEN INFORMAL		
AGENCY:	STATE	DATE:	93/22/1993
TYPE:	WRITTEN INFORMAL		
AGENCY:	STATE	DATE:	93/22/1993
TYPE:	WRITTEN INFORMAL		

VIOLATION INFORMATION:

VIOLATION NUMBER:	1	RESPONSIBLE:	S - STATE
DETERMINED:	91/01/1991	DETERMINED BY:	S - STATE
CITATION:		RESOLVED:	91/26/1991
TYPE:	GENERATORS - GENERAL		
VIOLATION NUMBER:	2	RESPONSIBLE:	S - STATE
DETERMINED:	92/23/1992	DETERMINED BY:	S - STATE
CITATION:		RESOLVED:	92/06/1992
TYPE:	GENERATORS - RECORDS/REPORTING		
VIOLATION NUMBER:	3	RESPONSIBLE:	S - STATE
DETERMINED:	93/30/1993	DETERMINED BY:	S - STATE
CITATION:		RESOLVED:	93/30/1993
TYPE:	GENERATORS - RECORDS/REPORTING		
VIOLATION NUMBER:	4	RESPONSIBLE:	S - STATE
DETERMINED:	93/22/1993	DETERMINED BY:	S - STATE
CITATION:		RESOLVED:	93/30/1993
TYPE:	GENERATORS - RECORDS/REPORTING		

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***Environmental FirstSearch
Site Detail Report***

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

RCRACOR

SEARCH ID: 7	DIST/DIR: 0.00 --	ELEVATION: 609	MAP ID: 5
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NAME: HOPKINSVILLE STONE COMPANY
ADDRESS: 41 MAIN ST
HOPKINSVILLE KY 42440
CHRISTIAN
CONTACT:
SOURCE: EPA

REV: 5/9/12
ID1: KYD147790273
ID2:
STATUS: CA
PHONE:

VIOLATION NUMBER: 5	RESPONSIBLE: S - STATE
DETERMINED: 93/21/1993	DETERMINED BY: S - STATE
CITATION:	RESOLVED: 93/21/1993
TYPE: GENERATORS - GENERAL	

VIOLATION NUMBER: 6	RESPONSIBLE: S - STATE
DETERMINED: 89/25/1989	DETERMINED BY: S - STATE
CITATION:	RESOLVED: 03/05/2003
TYPE: TSD - FINANCIAL REQUIREMENTS	

CORRECTIVE ACTION INFORMATION

CA EVENT: 95/25/1995 CA451

CA EVENT: 95/25/1995 CA010 - RFA INITIATION

CA EVENT: 96/09/1996 CA453

CA EVENT: 97/15/1997 CA070

CA EVENT: 97/15/1997 CA050RF - RFA COMPLETED - ASSESSMENT WAS AN RFA

HAZARDOUS WASTE INFORMATION:

D007 - Chromium
NONE

***Environmental FirstSearch
Site Detail Report***

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

RCRATSD

SEARCH ID: 5 **DIST/DIR:** 0.00 -- **ELEVATION:** 609 **MAP ID:** 5

NAME: HOPKINSVILLE STONE COMPANY
ADDRESS: 41 MAIN ST
HOPKINSVILLE KY 42440
CHRISTIAN
CONTACT: JOHN W. SWEENEY
SOURCE: EPA

REV: 7/8/03
ID1: KYD147790273
ID2:
STATUS: TSD
PHONE: 5028863344

SITE INFORMATION

CONTACT INFORMATION: ED ELLIOTT
SAFETY MGR.
41 NORTH MAIN STREET
HOPKINSVILLE KY 42440

PHONE: 5022447060

CONTACT INFORMATION: JOHN W. SWEENEY
VICE PRESIDENT
41 NORTH MAIN STREET
HOPKINSVILLE KY 42440

PHONE: 5028863344

UNIVERSE NAME:

DF: LAND DISPOSAL FACILITY
INCINERATOR
TSDS SUBJECT TO CORRECTIVE ACT
ST: STORAGE AND TREATMENT
SUBJECT TO CORRECTIVE ACTION
SUBJECT TO CEI

SIC INFORMATION:

3531 - MANUFACTURING - CONSTRUCTION MACHINERY

ENFORCEMENT INFORMATION:

AGENCY: S - STATE **DATE:** 25-APR-89
TYPE: 115 - WARNING LETTER

AGENCY: S - STATE **DATE:** 24-MAR-92
TYPE: 120 - WRITTEN INFORMAL

AGENCY: S - STATE **DATE:** 22-APR-93
TYPE: 120 - WRITTEN INFORMAL

AGENCY: S - STATE **DATE:** 30-MAR-93
TYPE: 120 - WRITTEN INFORMAL

AGENCY: S - STATE **DATE:** 01-MAR-91
TYPE: 120 - WRITTEN INFORMAL

AGENCY: S - STATE **DATE:** 01-MAR-91
TYPE: 310 - FINAL 3008(A) COMPLIANCE ORDER

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Environmental FirstSearch
Site Detail Report

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

RCRATSD

SEARCH ID: 5 **DIST/DIR:** 0.00 -- **ELEVATION:** 609 **MAP ID:** 5

NAME: HOPKINSVILLE STONE COMPANY
ADDRESS: 41 MAIN ST
HOPKINSVILLE KY 42440
CHRISTIAN
CONTACT: JOHN W. SWEENEY
SOURCE: EPA

REV: 7/8/03
ID1: KYD147790273
ID2:
STATUS: TSD
PHONE: 5028863344

AGENCY: S - STATE **DATE:** 22-SEP-93
TYPE: 120 - WRITTEN INFORMAL

VIOLATION INFORMATION:

VIOLATION NUMBER: 0001 **RESPONSIBLE:** S - STATE
DETERMINED: 01-MAR-91 **DETERMINED BY:** S - STATE
CITATION: KRS 224:876 **RESOLVED:** 03/26/1991
TYPE: GOR - GENERATOR OTHER REQUIREMENTS

VIOLATION NUMBER: 0002 **RESPONSIBLE:** S - STATE
DETERMINED: 23-MAR-92 **DETERMINED BY:** S - STATE
CITATION: 32:040 **RESOLVED:** 04/06/1992
TYPE: GRR - GENERATOR RECORD KEEPING REQUIREMENTS

VIOLATION NUMBER: 0003 **RESPONSIBLE:** S - STATE
DETERMINED: 30-MAR-93 **DETERMINED BY:** S - STATE
CITATION: 32:040 **RESOLVED:** 04/30/1993
TYPE: GRR - GENERATOR RECORD KEEPING REQUIREMENTS

VIOLATION NUMBER: 0004 **RESPONSIBLE:** S - STATE
DETERMINED: 22-APR-93 **DETERMINED BY:** S - STATE
CITATION: 32:010 **RESOLVED:** 04/30/1993
TYPE: GRR - GENERATOR RECORD KEEPING REQUIREMENTS

VIOLATION NUMBER: 0005 **RESPONSIBLE:** S - STATE
DETERMINED: 21-SEP-93 **DETERMINED BY:** S - STATE
CITATION: krs 224.46-580 **RESOLVED:** 10/21/1993
TYPE: GOR - GENERATOR OTHER REQUIREMENTS

VIOLATION NUMBER: 0006 **RESPONSIBLE:** S - STATE
DETERMINED: 25-APR-89 **DETERMINED BY:** S - STATE
CITATION: 34:120 **RESOLVED:**
TYPE: DFR - TSD FINANCIAL RESPONSIBILITY REQUIREMENTS

***Environmental FirstSearch
Site Detail Report***

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

RCRATSD

SEARCH ID: 6 **DIST/DIR:** 0.00 -- **ELEVATION:** 554 **MAP ID:** 6

NAME: OMNITECH, INC.
ADDRESS: 1808 DAWSON SPRINGS RD
HOPKINSVILLE KY 42240
CHRISTIAN
CONTACT: LOGAN ASKEW
SOURCE: EPA

REV: 7/8/03
ID1: KYD981805989
ID2:
STATUS: TSD
PHONE: 5028855377

SITE INFORMATION

CONTACT INFORMATION: BRUCE SAUNDERS
MANAGER
1808 DAWSON ROAD
HOPKINSVILLE KY 42240

PHONE: 5028866385

CONTACT INFORMATION: LOGAN ASKEW
MANAGER
1808 DAWSON SPRINGS ROAD
HOPKINSVILLE KY 42240

PHONE: 5028855377

UNIVERSE NAME:

TSDS SUBJECT TO CORRECTIVE ACT
INCINERATOR
DF: LAND DISPOSAL FACILITY
SUBJECT TO CEI
ST: STORAGE AND TREATMENT
SUBJECT TO CORRECTIVE ACTION

SIC INFORMATION:

3545 - MANUFACTURING - MACHINE TOOL ACCESSORIES
3541 - MANUFACTURING - MACHINE TOOLS, METAL CUTTING TYPES

ENFORCEMENT INFORMATION:

AGENCY: S - STATE **DATE:** 13-JAN-93
TYPE: 190 - COMBINATION-INFORMAL

AGENCY: S - STATE **DATE:** 19-SEP-91
TYPE: 120 - WRITTEN INFORMAL

AGENCY: S - STATE **DATE:** 27-SEP-91
TYPE: 120 - WRITTEN INFORMAL

AGENCY: S - STATE **DATE:** 17-DEC-91
TYPE: 190 - COMBINATION-INFORMAL

AGENCY: S - STATE **DATE:** 25-SEP-92
TYPE: 120 - WRITTEN INFORMAL

AGENCY: S - STATE **DATE:** 19-OCT-94

- Continued on next page -

Environmental FirstSearch
Site Detail Report

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

RCRATSD

SEARCH ID: 6 **DIST/DIR:** 0.00 -- **ELEVATION:** 554 **MAP ID:** 6

NAME: OMNITECH, INC. ADDRESS: 1808 DAWSON SPRINGS RD HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: LOGAN ASKEW SOURCE: EPA	REV: 7/8/03 ID1: KYD981805989 ID2: STATUS: TSD PHONE: 5028855377
--	---

TYPE:	120 - WRITTEN INFORMAL	
AGENCY:	S - STATE	DATE: 23-APR-90
TYPE:	120 - WRITTEN INFORMAL	
 AGENCY:	S - STATE	DATE: 10-FEB-92
TYPE:	190 - COMBINATION-INFORMAL	

VIOLATION INFORMATION:

VIOLATION NUMBER:	0001	RESPONSIBLE:	S - STATE
DETERMINED:	19-APR-90	DETERMINED BY:	S - STATE
CITATION:		RESOLVED:	06/06/1990
TYPE:	GER - GENERATOR ALL REQUIREMENTS		

VIOLATION NUMBER:	0002	RESPONSIBLE:	S - STATE
DETERMINED:	19-SEP-91	DETERMINED BY:	S - STATE
CITATION:	401 KAR 32:010	RESOLVED:	04/13/1992
TYPE:	GRR - GENERATOR RECORD KEEPING REQUIREMENTS		

VIOLATION NUMBER:	0003	RESPONSIBLE:	S - STATE
DETERMINED:	30-JUL-91	DETERMINED BY:	S - STATE
CITATION:	224.46-580	RESOLVED:	10/26/1994
TYPE:	GOR - GENERATOR OTHER REQUIREMENTS		

VIOLATION NUMBER:	0004	RESPONSIBLE:	S - STATE
DETERMINED:	17-DEC-91	DETERMINED BY:	S - STATE
CITATION:	32:010 SEC 3	RESOLVED:	11/17/1993
TYPE:	GGR - GENERATOR GENERAL REQUIREMENTS		

VIOLATION NUMBER:	0005	RESPONSIBLE:	S - STATE
DETERMINED:	17-DEC-91	DETERMINED BY:	S - STATE
CITATION:	32:010 SEC 2	RESOLVED:	11/17/1993
TYPE:	GGR - GENERATOR GENERAL REQUIREMENTS		

VIOLATION NUMBER:	0006	RESPONSIBLE:	S - STATE
DETERMINED:	17-DEC-91	DETERMINED BY:	S - STATE
CITATION:	32:030 SEC 6	RESOLVED:	11/17/1993
TYPE:	GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS		

VIOLATION NUMBER:	0007	RESPONSIBLE:	S - STATE
DETERMINED:	17-DEC-91	DETERMINED BY:	S - STATE
CITATION:	35:180 SEC 4	RESOLVED:	11/17/1993
TYPE:	GPT - GENERATOR PRE-TRANSPORT REQUIREMENTS		

VIOLATION NUMBER:	0008	RESPONSIBLE:	S - STATE
DETERMINED:	21-SEP-92	DETERMINED BY:	S - STATE
CITATION:	hrs 224.46-580	RESOLVED:	10/07/1992
TYPE:	GOR - GENERATOR OTHER REQUIREMENTS		

VIOLATION NUMBER:	0009	RESPONSIBLE:	S - STATE
DETERMINED:	17-DEC-91	DETERMINED BY:	S - STATE

- Continued on next page -

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

RCRATSD

SEARCH ID: 6	DIST/DIR: 0.00 --	ELEVATION: 554	MAP ID: 6
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NAME: OMNITECH, INC. ADDRESS: 1808 DAWSON SPRINGS RD HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: LOGAN ASKEW SOURCE: EPA	REV: 7/8/03 ID1: KYD981805989 ID2: STATUS: TSD PHONE: 5028855377
--	---

CITATION:	38:010-34:180	RESOLVED:	11/17/1993
TYPE:	DGS - TSD GENERAL STANDARDS		

VIOLATION NUMBER:	0010	RESPONSIBLE:	S - STATE
DETERMINED:	17-DEC-91	DETERMINED BY:	S - STATE
CITATION:	38:010-34:180	RESOLVED:	11/17/1993
TYPE:	DMC - TSD CONTAINERS REQUIREMENTS		

VIOLATION NUMBER:	0011	RESPONSIBLE:	S - STATE
DETERMINED:	19-OCT-94	DETERMINED BY:	S - STATE
CITATION:	32:010	RESOLVED:	11/09/1994
TYPE:	GRR - GENERATOR RECORD KEEPING REQUIREMENTS		

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 30 **DIST/DIR:** 0.00 -- **ELEVATION:** 527 **MAP ID:** 19

NAME: WEBER STREET MERCURY SITE
ADDRESS: 512 WEBER ST
HOPKINSVILLE KY 42240
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: KYST-0207-82434
ID2: 82434
STATUS: CLOSED
PHONE:

SITE INFORMATION

DESCRIPTION: MERCURY COLLECTION INCIDENT 215186-CLOSED OPTION C-12/28/06
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION: OPTION C RESTORED
CLOSURE DATE: 12/28/2006
OWNER INFORMATION: 521 WEBER STREET
HOPKINSVILLE KY 42240

STATE

SEARCH ID: 28 **DIST/DIR:** 0.00 -- **ELEVATION:** 532 **MAP ID:** 17

NAME: SCOTTS SERVICE CENTER
ADDRESS: UNKNOWN
HOPKINSVILLE KY 42240
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: KYST-0358
ID2: 51704
STATUS: CLOSED
PHONE:

SITE INFORMATION

DESCRIPTION: SCOTT S PARKWAY BP (CLOSED: RESTORED)
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION: OPTION C RESTORED
CLOSURE DATE: 12/9/1994
OWNER INFORMATION: NONE
KY

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 21 **DIST/DIR:** 0.00 -- **ELEVATION:** 579 **MAP ID:** 15

NAME: PARIS PACKAGING INC ADDRESS: 203 COMMERCE CT HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 2/1/12 ID1: KYST-0106-000773 ID2: 773 STATUS: CLOSED PHONE:
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SITE INFORMATION

DESCRIPTION: INTERNATIONAL PAPER CORP. (CLOSED: RESTORED)
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION: OPTION C RESTORED
CLOSURE DATE: 4/3/1996
OWNER INFORMATION: 203 COMMERCE COURT
HOPKINSVILLE KY 42240

STATE

SEARCH ID: 10 **DIST/DIR:** 0.00 -- **ELEVATION:** 522 **MAP ID:** 8

NAME: AG SPRAY EQUIPMENT INC ADDRESS: UNKNOWN HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 2/1/12 ID1: B6715 ID2: 52566 STATUS: CLOSED PHONE:
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SITE INFORMATION

DESCRIPTION: AG SPRAY EQUIPMENT, INC. (CLOSED: NON-INCIDENT)
REGULATORY DESCRIPTION: PETROLEUM CLEANUP
CLOSURE OPTION: NON-INCIDENT
CLOSURE DATE: 2/12/1998 12:58:00 PM
OWNER INFORMATION: 1521 INDUSTRIAL DRIVE
HOPKINSVILLE KY 42240

Environmental FirstSearch
Site Detail Report

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 9 **DIST/DIR:** 0.00 -- **ELEVATION:** 534 **MAP ID:** 3

NAME: ABTCO BUILDING PRODUCTS
ADDRESS: UNKNOWN
HOPKINSVILLE KY 42241
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: KYST0102-0016
ID2: 4779
STATUS: CLOSED
PHONE:

SITE INFORMATION

DESCRIPTION: ABTCO FACILITY (CLOSED: CONTAINED/MANAGED)
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION: OPTION A NO ACTION NECESSARY
CLOSURE DATE: 8/6/2001
OWNER INFORMATION: 1857 CALVIN DRIVE
HOPKINSVILLE KY 42240

STATE

SEARCH ID: 8 **DIST/DIR:** 0.00 -- **ELEVATION:** 538 **MAP ID:** 7

NAME: 1000 SOUTH CLAY ST
ADDRESS: 1000 S CLAY ST
NONE KY 11111
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: KYST-0338
ID2: 53048
STATUS: CLOSED
PHONE:

SITE INFORMATION

DESCRIPTION: 1000 SOUTH CLAY STREET (CLOSED: UNFOUNDED)
REGULATORY DESCRIPTION: PETROLEUM CLEANUP
CLOSURE OPTION: UNFOUNDED
CLOSURE DATE: 10/22/1998
OWNER INFORMATION: NONE
KY

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 29 **DIST/DIR:** 0.00 -- **ELEVATION:** 537 **MAP ID:** 18

NAME: SONNYS AUTO SALES	REV: 2/1/12
ADDRESS: 1877 E 9TH ST	ID1: 97002
HOPKINSVILLE KY 42240	ID2: 97002
CHRISTIAN	STATUS: CLOSED
CONTACT:	PHONE:
SOURCE: KY DEP	

SITE INFORMATION

DESCRIPTION:	EXEMPT TANK CLOSURES
REGULATORY DESCRIPTION:	PETROLEUM CLEANUP
CLOSURE OPTION:	OPTION C RESTORED
CLOSURE DATE:	7/18/2007
OWNER INFORMATION:	1877 EAST 9TH STREET HOPKINSVILLE KY 42240

STATE

SEARCH ID: 12 **DIST/DIR:** 0.00 -- **ELEVATION:** 592 **MAP ID:** 10

NAME: EFTEC NORTH AMERICA LLC	REV: 2/1/12
ADDRESS: UNKNOWN	ID1: B6983
HOPKINSVILLE KY 42240	ID2: 47381
CHRISTIAN	STATUS: CLOSED
CONTACT:	PHONE:
SOURCE: KY DEP	

SITE INFORMATION

DESCRIPTION:	EFTEC (CLOSED: RESTORED)
REGULATORY DESCRIPTION:	STATE SUPERFUND
CLOSURE OPTION:	OPTION C RESTORED
CLOSURE DATE:	8/17/1998
OWNER INFORMATION:	120 BILL BRYAN BLVD. HOPKINSVILLE KY 42240

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 26 **DIST/DIR:** 0.00 -- **ELEVATION:** 534 **MAP ID:** 3

NAME: PHILLIPS PETROLEUM ADDRESS: 1857 CALVIN DR HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 2/1/12 ID1: KYST-0356 ID2: 51997 STATUS: CLOSED PHONE:
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SITE INFORMATION

DESCRIPTION:	PHILLIPS PETROLEUM
REGULATORY DESCRIPTION:	STATE SUPERFUND
CLOSURE OPTION:	NON-INCIDENT
CLOSURE DATE:	8/2/1985
OWNER INFORMATION:	1857 CALVIN DRIVE HOPKINSVILLE KY 42240

STATE

SEARCH ID: 13 **DIST/DIR:** 0.00 -- **ELEVATION:** 548 **MAP ID:** 11

NAME: FAULTLESS HARDWARE ADDRESS: 120 FAULTLESS RD HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 2/1/12 ID1: B3454 ID2: 53395 STATUS: CLOSED PHONE:
---	--

SITE INFORMATION

DESCRIPTION:	FAULTLESS HARDWARE (CLOSED: RESTORED)
REGULATORY DESCRIPTION:	STATE SUPERFUND
CLOSURE OPTION:	OPTION C RESTORED
CLOSURE DATE:	11/26/1997
OWNER INFORMATION:	120 FAULTLESS ROAD HOPKINSVILLE KY 42240

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 16 **DIST/DIR:** 0.00 -- **ELEVATION:** 564 **MAP ID:** 4

NAME: GENLYTE THOMAS GROUP LLC
ADDRESS: UNKNOWN
HOPKINSVILLE KY 42241
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: A1553
ID2: 47383
STATUS: ACTIVE
PHONE:

SITE INFORMATION

DESCRIPTION: VOC IN GROINDWATER - COLLECTED AND MONITORED
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION:
CLOSURE DATE:
OWNER INFORMATION: 300 GILBERT DRIVE PETE Z...
HOPKINSVILLE KY 42241

STATE

SEARCH ID: 17 **DIST/DIR:** 0.00 -- **ELEVATION:** 557 **MAP ID:** 1

NAME: HOWARD NED GRAY PROPERTY
ADDRESS: UNKNOWN
HOPKINSVILLE KY 42240
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: KYST-0345
ID2: 52004
STATUS: ACTIVE
PHONE:

SITE INFORMATION

DESCRIPTION: GRAY PCB
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION:
CLOSURE DATE:
OWNER INFORMATION: TOM BURSE RD
HOPKINSVILLE KY 42240

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 11 **DIST/DIR:** 0.00 -- **ELEVATION:** 614 **MAP ID:** 9

NAME: CHRISTIAN COUNTY QUAIL CLUB
ADDRESS: 2464 QUAIL CLUB RD
HOPKINSVILLE KY 42240
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: 108982
ID2: 108982
STATUS: CLOSED
PHONE:

SITE INFORMATION

DESCRIPTION: QUALI CLUB SHOOTING RANGE-CLOSED 8/20/2010 OPTION A
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION: OPTION A NO ACTION NECESSARY
CLOSURE DATE: 8/20/2010
OWNER INFORMATION: 2410 QUAIL CLUB ROAD
HOPKINSVILLE KY 42240

STATE

SEARCH ID: 20 **DIST/DIR:** 0.00 -- **ELEVATION:** 554 **MAP ID:** 6

NAME: OMNITECH
ADDRESS: 1808 DAWSON SPRINGS RD
HOPKINSVILLE KY 42240
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: KYST-0350
ID2: 51797
STATUS: CLOSED
PHONE:

SITE INFORMATION

DESCRIPTION: ECW-65 OMNITECH / ECW-65 (CLOSED: NO ACTION NECESSARY)
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION: OPTION A NO ACTION NECESSARY
CLOSURE DATE: 1/17/2002
OWNER INFORMATION: 1808 DAWSON SPRINGS RD
HOPKINSVILLE KY 42240

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 18 **DIST/DIR:** 0.00 -- **ELEVATION:** 594 **MAP ID:** 13

NAME: KEY OIL COMPANY ADDRESS: 206 E 25TH ST HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 2/1/12 ID1: 83682 ID2: 83682 STATUS: ACTIVE PHONE:
---	--

SITE INFORMATION

DESCRIPTION: TANK OVERFILLED
REGULATORY DESCRIPTION: PETROLEUM CLEANUP
CLOSURE OPTION:
CLOSURE DATE:
OWNER INFORMATION:

STATE

SEARCH ID: 22 **DIST/DIR:** 0.00 -- **ELEVATION:** 578 **MAP ID:** 2

NAME: PHELPS DODGE MAGNET WIRE ADDRESS: 2669 PEMBROKE RD HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 10/1/04 ID1: A1903 ID2: STATUS: CLOSED PHONE:
---	---

SITE INFORMATION

DATE RECEIVED: 01/05/1994
INCIDENT DATE: 01/05/94
INCIDENT TIME:
CLASSIFICATION:
INCIDENT TYPE: FACILITY SPILL
SECTION: STATE SUPERFUND

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 23	DIST/DIR: 0.00 --	ELEVATION: 578	MAP ID: 2
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NAME: PHELPS DODGE MAGNET WIRE CO ADDRESS: UNKNOWN HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 2/1/12 ID1: KYST0102-0018 ID2: 784 STATUS: CLOSED PHONE:
---	--

SITE INFORMATION

DESCRIPTION:	PHELPS DODGE MAGNET WIRE COMPANY (CLOSED: RESTORED)
REGULATORY DESCRIPTION:	FEDERAL SUPERFUND
CLOSURE OPTION:	OPTION C RESTORED
CLOSURE DATE:	4/1/2003
OWNER INFORMATION:	2669 PEMBROKE ROAD, HOPKINSVILLE HOPKINSVILLE KY 42240

DESCRIPTION:	PD WIRE and CABLE, INC. (CLOSED: RESTORED)
REGULATORY DESCRIPTION:	PETROLEUM CLEANUP
CLOSURE OPTION:	OPTION C RESTORED
CLOSURE DATE:	7/17/2001
OWNER INFORMATION:	2669 PEMBROKE ROAD HOPKINSVILLE KY 42240

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 24 **DIST/DIR:** 0.00 -- **ELEVATION:** 578 **MAP ID:** 2

NAME: PHELPS DODGE MAGNET WIRE COMPANY ADDRESS: 2669 PEMBROKE RD HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 10/1/04 ID1: KYST-0355 ID2: STATUS: CLOSED PHONE:
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SITE INFORMATION

DATE RECEIVED:	03/08/2001
INCIDENT DATE:	
INCIDENT TIME:	
CLASSIFICATION:	HAZARDOUS SUBSTANCE
INCIDENT TYPE:	PCBS
SECTION:	FEDERAL SUPERFUND

STATE

SEARCH ID: 25 **DIST/DIR:** 0.00 -- **ELEVATION:** 578 **MAP ID:** 2

NAME: PHELPS DODGE MAGNET WIRE COMPANY ADDRESS: 2669 PEMBROKE RD HOPKINSVILLE KY 42240 CHRISTIAN CONTACT: SOURCE: KY DEP	REV: 10/1/04 ID1: KYST-0354 ID2: STATUS: CLOSED PHONE:
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SITE INFORMATION

DATE RECEIVED:	01/05/2001
INCIDENT DATE:	
INCIDENT TIME:	
CLASSIFICATION:	
INCIDENT TYPE:	
SECTION:	STATE SUPERFUND

Environmental FirstSearch
Site Detail Report

Target Property:

HOPKINSVILLE KY 42240

JOB: 61312

STATE

SEARCH ID: 15 **DIST/DIR:** 0.00 -- **ELEVATION:** 562 **MAP ID:** 12

NAME: GENLYTE THOMAS GROUP / THOMAS INDUSTRIES, INC
ADDRESS: UNKNOWN
HOPKINSVILLE KY 42240
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 10/1/04
ID1: KYST-0344
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE RECEIVED: 11/23/1993
INCIDENT DATE:
INCIDENT TIME:
CLASSIFICATION: HAZARDOUS SUBSTANCE
INCIDENT TYPE: FACILITY SPILL
SECTION: STATE SUPERFUND

STATE

SEARCH ID: 19 **DIST/DIR:** 0.00 -- **ELEVATION:** 598 **MAP ID:** 14

NAME: METALSA SA DE CV
ADDRESS: UNKNOWN
HOPKINSVILLE KY 42240
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 2/1/12
ID1: A2749
ID2: 761
STATUS: CLOSED
PHONE:

SITE INFORMATION

DESCRIPTION: DANA CORPORATION (CLOSED: RESTORED)
REGULATORY DESCRIPTION: STATE SUPERFUND
CLOSURE OPTION: OPTION C RESTORED
CLOSURE DATE: 7/6/1994
OWNER INFORMATION: 301 BILL BRYAN BLVD.
HOPKINSVILLE KY 42240

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

SWL

SEARCH ID: 36	DIST/DIR: 0.00 --	ELEVATION: 0	MAP ID: 25
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NAME: HOPKINSVILLE WATER ENVIRONMENTAL AUTHORITY
ADDRESS: 1300 VINE ST
HOPKINSVILLE KY 42240
CHRISTAIN
CONTACT:
SOURCE:

REV: 03/29/07
ID1: KYSW-0407-000770
ID2: 770
STATUS: OPERATING
PHONE:

SITE INFORMATION

FACILITY TYPE: LANDFARM TYPE B-SPW
FACILITY STATUS: OPERATING

SWL

SEARCH ID: 35	DIST/DIR: 0.00 --	ELEVATION:	MAP ID: 24
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NAME: HOPKINSVILLE COMPOSTING FACILITY
ADDRESS: 1500 CEDAR AVENUE
HOPKINSVILLE KY 42240
CHRISTAIN
CONTACT:
SOURCE:

REV: 03/29/07
ID1: 024-00033
ID2: 40323
STATUS: OPERATING
PHONE:

SITE INFORMATION

FACILITY TYPE: COMPOSTING
FACILITY STATUS: OPERATING

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

SWL

SEARCH ID: 34	DIST/DIR: 0.00 --	ELEVATION: 0	MAP ID: 23
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NAME: GRUPO ANTOLIN KY ADDRESS: 208 COMMERCE CT HOPKINSVILLE KY 42240 CHRISTAIN CONTACT: SOURCE:	REV: 03/29/07 ID1: KYSW-0406-000765 ID2: 765 STATUS: PROPOSED PHONE:
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SITE INFORMATION

SITE INFORMATION

FACILITY TYPE: FINANCIAL ASSURANCE
FACILITY STATUS: ACTIVE

FACILITY TYPE: WASTE-TO-ENERGY
FACILITY STATUS: PROPOSED

FACILITY TYPE: PROFILE
FACILITY STATUS: ACTIVE

FACILITY TYPE: INCINERATOR
FACILITY STATUS: ACTIVE

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

SWL

SEARCH ID: 33	DIST/DIR: 0.00 --	ELEVATION:	MAP ID: 22
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NAME: D and J TIRE DISPOSAL
ADDRESS: 1728 GREENVILLE RD
HOPKINSVILLE KY 42240

REV: 03/29/07
ID1: 024-00013
ID2: 37669
STATUS: TERMINATED
PHONE:

CONTACT:
SOURCE:

SITE INFORMATION

SITE INFORMATION

FACILITY TYPE: WASTE TIRE ACCUMULATOR
FACILITY STATUS: OPERATING

FACILITY TYPE: WASTE TIRE TRANSPORTER
FACILITY STATUS: TERMINATED

FACILITY TYPE: WASTE TIRE TRANSPORTER
FACILITY STATUS: OPERATING

FACILITY TYPE: WASTE TIRE ACCUMULATOR
FACILITY STATUS: TERMINATED

FACILITY TYPE: WASTE TIRE FACILITY GROUP
FACILITY STATUS: OPERATING

***Environmental FirstSearch
Site Detail Report***

Target Property: HOPKINSVILLE KY 42240

JOB: 61312

SWL

SEARCH ID: 32 **DIST/DIR:** 0.00 -- **ELEVATION:** **MAP ID:** 21

NAME: BURKHEAD and SCOTT INC
ADDRESS: 2497 GREENVILLE RD
HOPKINSVILLE KY 42241
CHRISTAIN
CONTACT:
SOURCE:

REV: 03/29/07
ID1: 024-00029
ID2: 37703
STATUS: ACTIVE
PHONE:

SITE INFORMATION

FACILITY TYPE: TRANSFER STATION SOLID WASTE-SW-RPBR
FACILITY STATUS: ACTIVE

FACILITY TYPE: PROFILE
FACILITY STATUS: ACTIVE

FACILITY TYPE: COMMERCIAL RECYCLING CENTER-SW-RPBR
FACILITY STATUS: ACTIVE

LUST

SEARCH ID: 40 **DIST/DIR:** 0.22 SE **ELEVATION:** 555 **MAP ID:** 47

NAME: FLYING J TRAVEL PLAZA
ADDRESS: 18750 HERNDON OAK GROVE RD
OAK GROVE KY 42262
CHRISTIAN
CONTACT:
SOURCE: KY DEP

REV: 07/23/07
ID1: 1034-024
ID2: 1034-024
STATUS: CLOSURE WORKGROUP
PHONE:

ARCHIVED LUST INFORMATION

WORK GROUP: CLOSURE WORKGROUP
CONTAMINATED: SOIL

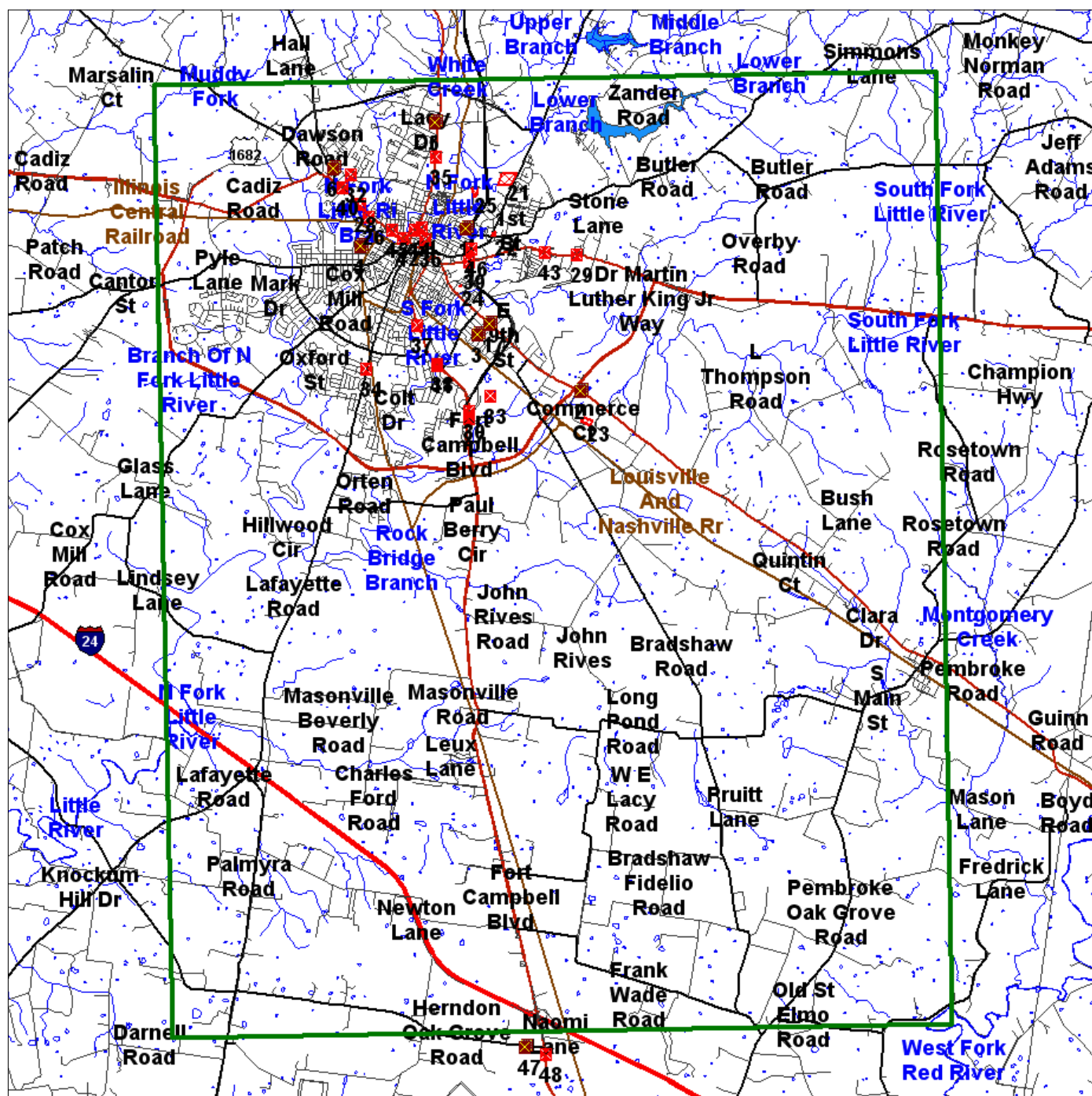


Area Polygon

Identified Site, Multiple Sites, Receptor

NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....

Railroads



Area Polygon
 Identified Site, Multiple Sites, Receptor
 NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
 Triballand.....
 Railroads



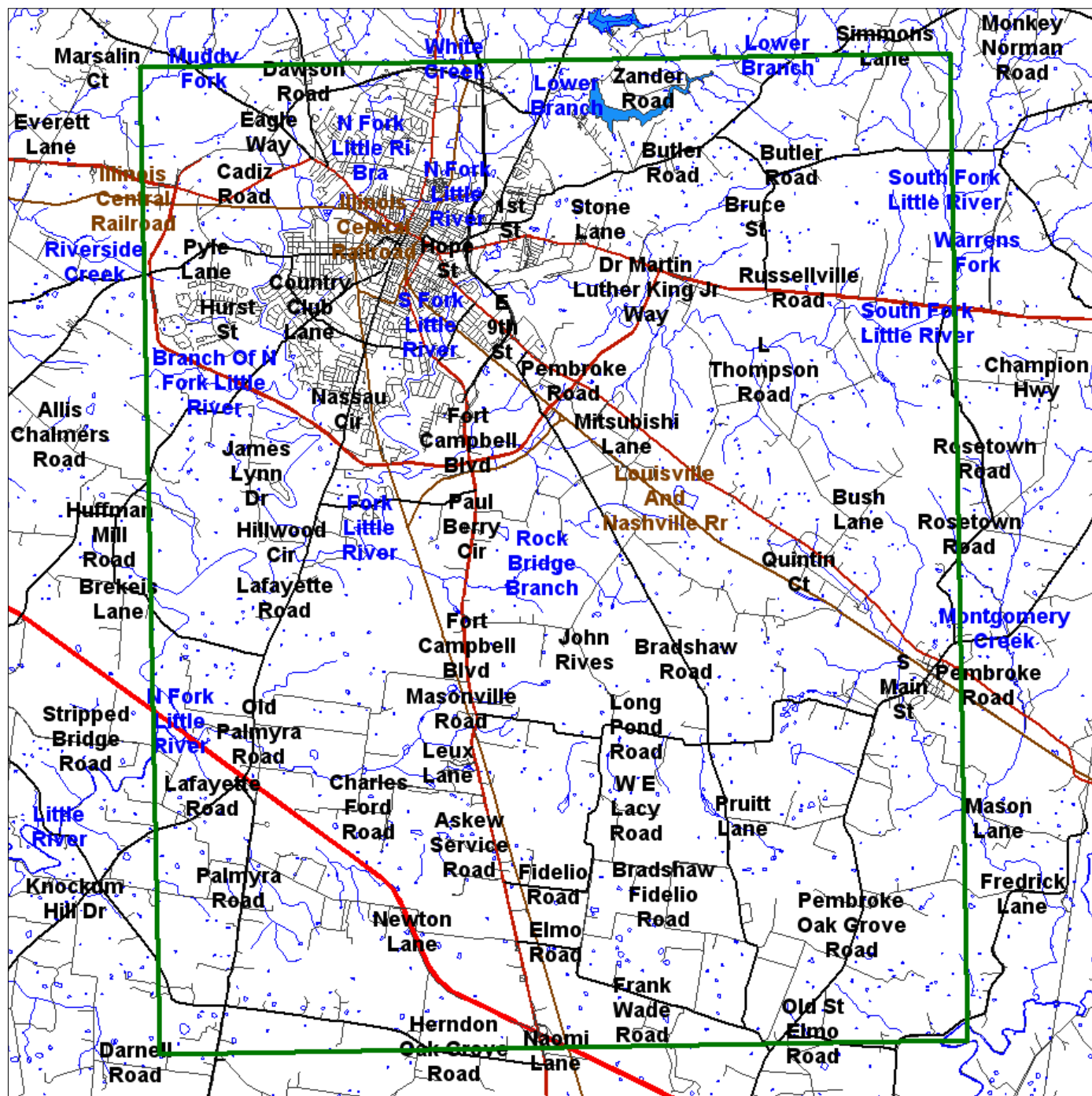
Environmental FirstSearch

.25 Mile Radius from Area

ASTM Map: RCRAGEN, ERNS, UST, FED IC/EC, METH LABS

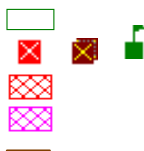


, HOPKINSVILLE KY 42240



Source: 2005 U.S. Census TIGER Files

Area Polygon
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
Railroads



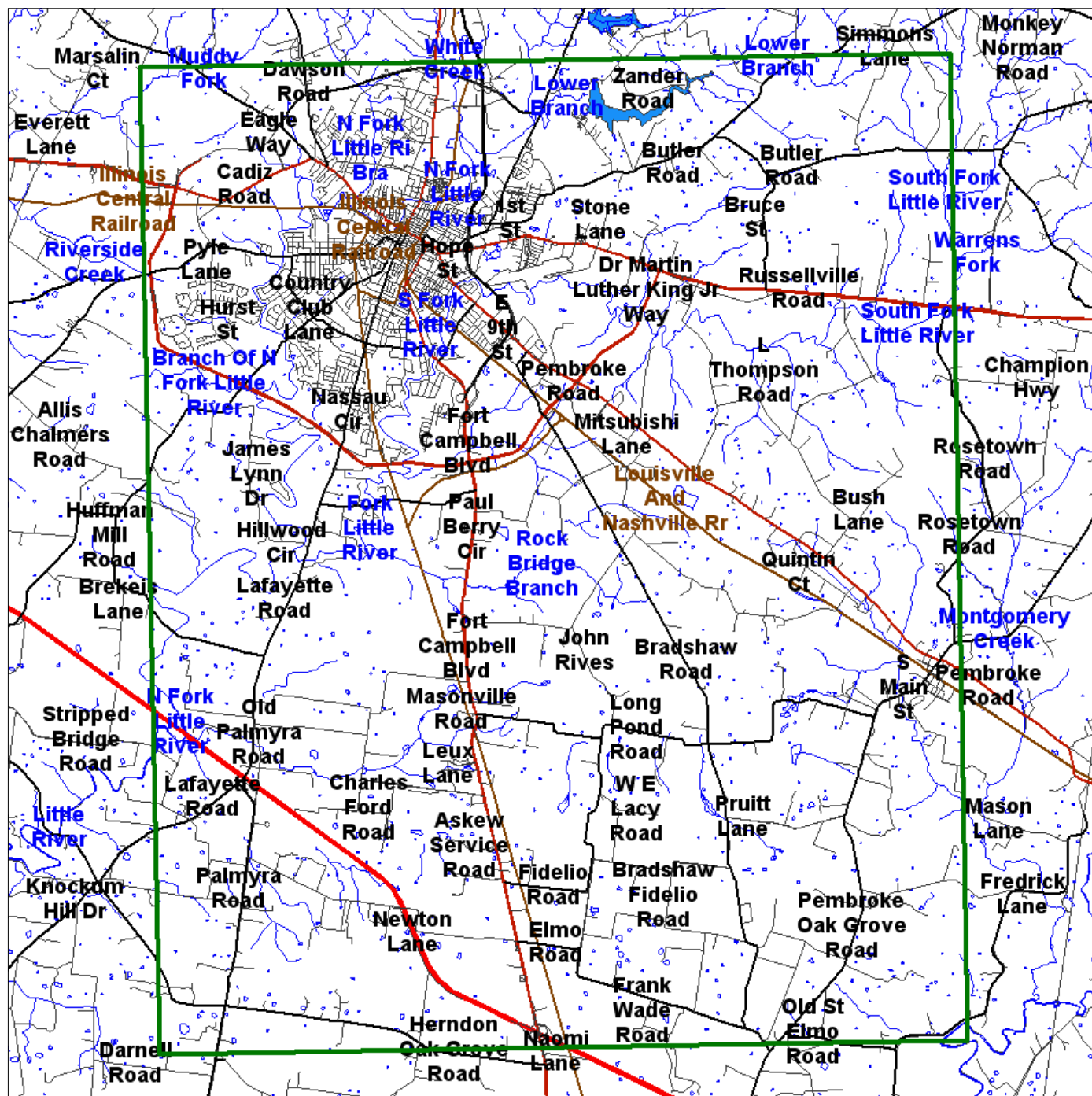


Environmental FirstSearch

.25 Mile Radius from Area
Non-ASTM Map: No Sites Found

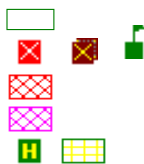


, HOPKINSVILLE KY 42240



Source: 2005 U.S. Census TIGER Files

Area Polygon
Identified Site, Multiple Sites, Receptor
NPL, DELNPL, Brownfield, Solid Waste Landfill (SWL), Hazardous Waste
Triballand.....
National Historic Sites and Landmark Sites
Railroads



RCRA

fac_id	name	addr	city	state	zip
110000881859	Abtco Building Products	1857 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5019
110022811055	Alliance Tubular Holdings Llc	500 PLANT YOST LN	HOPKINSVILLE	KY	42240
110002052894	Amfine Chemical Corporation	6805 JOHN RIVERS ROAD	HOPKINSVILLE	KY	42240-8717
110000834517	Ashland Petroleum Company 024-000	2314 FT. CAMPBELL ROAD	HOPKINSVILLE	KY	42241
110003219160	Bellsouth Telecommunications, Inc.	1210 SOUTH MAIN STREET	HOPKINSVILLE	KY	42240-2014
110003238247	Bellsouth Telecommunications, Inc.	801 RICHARD STREET	HOPKINSVILLE	KY	42240-5534
110002108763	Brazeway Incorporated	310 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240-6807
110003227393	Christian Co. Area Vocational Ctr.	705 N. ELM STREET	HOPKINSVILLE	KY	42240-2452
110006017443	Christian County Road Dept	2701 HWY 68 E	HOPKINSVILLE	KY	42240
110003224332	Collins Buick Gmc Trucks, Inc.	611 N. MAIN STREET	HOPKINSVILLE	KY	42240-2423
110006754814	Copar Inc Aluminum Division	750 FRANK YOST LN	HOPKINSVILLE	KY	42240
110008360415	Cps Farm Center - Pembroke	DUFFY STREET	PEMBROKE	KY	42266
110000380640	Dana Structural Manufacturing Llc	301 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110043659760	Denso Air Systems Kentucky	1405 FRANK YOST LANE	HOPKINSVILLE	KY	42240
110003218349	Douglas Autotech Corp	206 COMMERCE DRIVE	HOPKINSVILLE	KY	42240-6806
110003224341	E & H Motor Parts	2303 SOUTH WALNUT	HOPKINSVILLE	KY	42240-4749
110000380613	Ebonite International Inc	1813 W. 7TH ST.	HOPKINSVILLE	KY	422401873
110002108772	Emhart Teknologies	1915 PEMBROKE ROAD	HOPKINSVILLE	KY	42240-4490
110000881788	Ems Togo Corporation	120 BILL BRYAN BLVD	HOPKINSVILLE	KY	422400000
110000793767	Faultless Caster Corporation	120 FAULTLESS ROAD	HOPKINSVILLE	KY	42240-4440
110012185900	First Baptist Church, The	1400 SOUTH MAIN	HOPKINSVILLE	KY	42240-2081
110000380659	Freudenberg Hopkinsville Ky Site	2975 PEMBROKE ROAD	HOPKINSVILLE	KY	42240-6802
110000380668	Grupo Antolin Kentucky	208 COMMERCE CT.	HOPKINSVILLE	KY	42240
110003229140	Hopkinsville Public Works Complex	705 N. MAIN STREET	HOPKINSVILLE	KY	42240-2761
110008360852	Hopkinsville Stone Company	41 NORTH MAIN STREET	HOPKINSVILLE	KY	42440
110000552054	Hopkinsville, Ky (Seed Plant)	1104 SKYLINE DRIVE	HOPKINSVILLE	KY	42240-5009
110000846425	Housing Authority Of Hopkinsville	400 NORTH ELM STREET DR. B.O.	HOPKINSVILLE	KY	422400000
110045543701	Huhtamaki, Inc.	203 COMMERCE CT	HOPKINSVILLE	KY	42240
110003228445	Key Cleaners	802 EAST 9TH STREET	HOPKINSVILLE	KY	42240-4138
110003219311	Kleen Rite Cleaners Inc	2329 SOUTH VIRGINIA STREET	HOPKINSVILLE	KY	42240-3725
110003219302	Kleen Rite Cleaners Inc.	600 S VIRGINIA ST	HOPKINSVILLE	KY	42240
110039078315	Kmart #7607	3010 FORT CAMPBELL BLVD	HOPKINSVILLE	KY	42240
110037390873	Kroger Co - Store 522	1213 SKYLINE DR	HOPKINSVILLE	KY	42240

RCRA

fac_id	name	addr	city	state	zip
110008370887	Kydoh Item No 2-1010.0 Parcel 53	US 68 AND OVERBY LN	HOPKINSVILLE	KY	42240
110037391836	Lowe'S Of Hopkinsville #1666	4580 FORT CAMPBELL BOULEVARD	HOPKINSVILLE	KY	42240-8753
110003257305	Metokote Corp Plant 2	400 MITSUBISHI LN	HOPKINSVILLE	KY	42240
110007287300	Mid-Continent Spring Company	INDUSTRIAL DRIVE	HOPKINSVILLE	KY	42240
110003234740	Model Cleaners, Inc.	1117 S. MAIN STREET	HOPKINSVILLE	KY	42240-2011
110003250883	Moe'S Service Center	112 NASHVILLE RD	PEMBROKE	KY	42266
110003221503	Motor & Electric Of Hopkinsville	400 E. 7TH STREET	HOPKINSVILLE	KY	42240-3439
110009574497	Mssc	102 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110003227437	Murray State/Breathitt Veterinary Ctn.	715 NORTH DRIVE	HOPKINSVILLE	KY	42240-2620
110000613578	Omnitech, Inc.	1808 DAWSON SPRINGS ROAD	HOPKINSVILLE	KY	42240-1843
110003240555	Patriot Chevrolet-Geo - Body Shop	510 SOUTH CLAY STREET	HOPKINSVILLE	KY	42240
110003224369	Patriot Chevrolet-Geo - Service Shop	512 SOUTH CLAY ST	HOPKINSVILLE	KY	42240-3455
110003246559	Penske Truck Leasing	1912 PEMBROKE RD	HOPKINSVILLE	KY	42240
110003230931	Penske Truck Leasing Co Lp	128 LACY LANE	HOPKINSVILLE	KY	42240-4456
110000380686	Phelps Dodge Magnet Wire Company	2669 PEMBROKE RD.	HOPKINSVILLE	KY	42240
110003248058	Planters Bank Inc	1312 S MAIN ST	HOPKINSVILLE	KY	422411570
110000380695	Plymouth Engineered Shapes	201 COMMERCE CT.	HOPKINSVILLE	KY	42240
110003234090	Plymouth Tube Company	202 COMMERCE COURT	HOPKINSVILLE	KY	42240
110003256967	Renshaw Inc., DbA Hopkinsville Collision Center	100 W O KING LN	HOPKINSVILLE	KY	42240
110003254077	Resolve Environmental Inc	1690 CONCORD LN	HOPKINSVILLE	KY	42240
110038920004	Riken Elastomers Corp	340 RIKEN COURT	HOPKINSVILLE	KY	42240-6828
110044808429	Rite Aid #7890	2626 FORT CAMPBELL BLVD	HOPKINSVILLE	KY	42240
110003239175	Rollins Leasing Corp. #358	160 LACY LANE	HOPKINSVILLE	KY	42240-4456
110003224350	Scott Oldsmobile Inc	2507 FT. CAMPBELL BLVD.	HOPKINSVILLE	KY	42240-4670
110003225723	Sherwin-Williams Store 1901	535 W 9TH ST	HOPKINSVILLE	KY	42240-2197
110003229300	Sisk Motor Company, Inc.	401 E. 9TH STREET	HOPKINSVILLE	KY	42240-3452
110003227954	Southern States Hopkinsville Coop., Inc.	501 E. 13TH STREET	HOPKINSVILLE	KY	42240-3534
110009573443	Specialty Wire Inc	706 WEST 15TH STREET	HOPKINSVILLE	KY	42240-2046
110003248708	Specialty Wire Inc	602 GILBERT DR	HOPKINSVILLE	KY	42240-1934
110003217625	Speedway Store #5472	2812 FORT CAMPBELL BLVD.	HOPKINSVILLE	KY	42240
110003252649	Sun Chemical Corp Gpi	100 SUN CHEMICAL COURT	HOPKINSVILLE	KY	42240-6816
110008358749	Sunoco Service Station	MAIN & 4TH ST	HOPKINSVILLE	KY	42240
110008361058	Sunoco Service Station	US 68 & NORTH DR	HOPKINSVILLE	KY	42240

RCRA

fac_id	name	addr	city	state	zip
110008358730	Sunoco Service Station	7TH & ONEAL STS	HOPKINSVILLE	KY	42240
110000380711	Superior Graphite Co	4021 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5021
110017221914	Tg Automotive Sealing Ky Llc	501 FRANK YOST LANE	HOPKINSVILLE	KY	42240-6817
110003221317	Thomas Industries Inc	300 GILBERT STREET	HOPKINSVILLE	KY	42240-6313
110000380631	Trad Na Inc	210 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110000380720	U S Smokeless Tobacco Manufacturing Co Llc	1600 NORTH MAIN STREET	HOPKINSVILLE	KY	42240-2724
110003243669	United Parcel Service Hopkinsv	118 FAULTLESS ROAD	HOPKINSVILLE	KY	42240-4440
110008357839	United States Tobacco Manufacturing Inc.	24TH & VIRGINIA STREET	HOPKINSVILLE	KY	42240
110000380739	Venture Industries	4020 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5020
110044971821	Vitech Manufacturing Limited Partnership	2975 PEMBROKE ROAD BLDG #1	HOPKINSVILLE	KY	42240
110002108781	W.R. Grace & Co. Conn.	1606 INDUSTRIAL DR.	HOPKINSVILLE	KY	42240
110020741973	Wal-Mart 6066	690 CRENSHAW BLVD	HOPKINSVILLE	KY	42240
110020575386	Wal-Mart Supercenter #653	300 CLINIC DR	HOPKINSVILLE	KY	42240
110035426599	Western State Hospital	2400 RUSSELLVILLE ROAD	HOPKINSVILLE	KY	42240-8095
110006550632	Wh Manufacturing Inc	110 BILL BRYAN BOULEVARD	HOPKINSVILLE	KY	42240-6800
110003251980	Yates Service Station	1211 W 7TH ST	HOPKINSVILLE	KY	42240

fac_id	name	addr	city	state	zip
110000712587	Hwea: Northside Waste Water Treatment Plant	DISPOSAL PLANT ROAD	HOPKINSVILLE	KY	422410628
110040608875	Airgas Carbonic, Inc.	4891 PEMBROKE RD	HOPKINSVILLE	KY	42240
110022811055	Alliance Tubular Holdings Llc	500 PLANT YOST LN	HOPKINSVILLE	KY	42240
110002052894	Amfine Chemical Corporation	6805 JOHN RIVERS ROAD	HOPKINSVILLE	KY	42240-8717
110041957166	Apron Expansion	2600 RUSSELLVILLE RD	HOPKINSVILLE	KY	42240
110042252781	Bypass Retail Center	BURLEY ROAD	HOPKINSVILLE	KY	42240
110044893434	Chick-Fil-A	JCT OF FORT CAMPBELL BLVD & HARVEY WAY	HOPKINSVILLE	KY	42241
110044247847	Christian Co Elementary School	215 GLASS LN	HOPKINSVILLE	KY	42241
110036687859	Christian Co Middle School	210 GLASS AVE	HOPKINSVILLE	KY	42240
110015722253	Continental Mills	100 KRUSTEAZ WAY	HOPKINSVILLE	KY	42240
110006754814	Copar Inc Aluminum Division	750 FRANK YOST LN	HOPKINSVILLE	KY	42240
110043485671	Cumberland Hall Replacement Facility	270 WALTON WAY	HOPKINSVILLE	KY	42240
110000380640	Dana Structural Manufacturing Llc	301 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110043161173	Denso Manufacturing	1405 FRANK YOST LN	HOPKINSVILLE	KY	42240
110043727811	Disposal Site	1995 BRADSHAW RD	HOPKINSVILLE	KY	42240
110043735054	Disposal Site Vancleave Farms	LONG POND RD	HOPKINSVILLE	KY	42240
110000380613	Ebonite International Inc	1813 W. 7TH ST.	HOPKINSVILLE	KY	422401873
110043727820	Excess Material Disposal Area	FORT CAMPBELL BLVD	HOPKINSVILLE	KY	42240
110041944126	Golden Age Ent	JCT OF N DR & ACADEMY DR	HOPKINSVILLE	KY	42240
110000380668	Grupo Antolin Kentucky	208 COMMERCE CT.	HOPKINSVILLE	KY	42240
110043725546	Hopkinsville Bulk Plant	702 N MAIN	HOPKINSVILLE	KY	42240
110013680828	Hopkinsville Elevator Co - Casky Plant	4785 PEMBROKE ROAD	HOPKINSVILLE	KY	42240
110006644818	Hopkinsville Hammond Wood Stp	195 GARY LANE	HOPKINSVILLE	KY	42240
110043760613	Hopkinsville Hammond Wood Wwtp	401 E 9TH ST	HOPKINSVILLE	KY	42241
110045516189	Hopkinsville Northside Wwtp	DISPOSAL PLANT RD	HOPKINSVILLE	KY	42240
110015817758	Hopkinsville, City Of	101 N MAIN ST	HOPKINSVILLE	KY	42240-2394
110009959303	Hwea: Moss Water Treatment Plant	1300 NORTH VINE STREET	HOPKINSVILLE	KY	42240
110029528161	Iac Madisonville Llc	4020 CALVIN DR	HOPKINSVILLE	KY	42240
110043487713	James Village Townhomes	E 21ST ST	HOPKINSVILLE	KY	42240
110009744107	Ktc Christian Co Maint Garage	US 41	HOPKINSVILLE	KY	42240
110006753897	Martinrea Hopkinsville Llc	1500 FRANK YOST LN	HOPKINSVILLE	KY	42240
110006749073	Max Fuel #24	11725 FT CAMPBELL BLVD	OAK GROVE	KY	42262
110003257305	Metokote Corp Plant 2	400 MITSUBISHI LN	HOPKINSVILLE	KY	42240
110045028484	Meuth Construction Supply Inc.	401 CHRISTIAN QUARRY RD	HOPKINSVILLE	KY	422403137
110044270231	Morningside Elementary School	313 MORNINGSIDE DR	HOPKINSVILLE	KY	42240
110009574497	Mssc	102 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110003236089	Paris Packaging Inc	203 COMMERCE COURT	HOPKINSVILLE	KY	42240-6806

fac_id	name	addr	city	state	zip
110041947873	Pennyrile Rural Electric Line Truck Warehouse & Office	1916 HARRISON ST	HOPKINSVILLE	KY	42240-3653
110041958129	Plant Expansion	1000 METCALFE LN	HOPKINSVILLE	KY	42240
110010322150	Plymouth Engineered Shapes	201 COMMERCE ST	HOPKINSVILLE	KY	42240-6806
110000380695	Plymouth Engineered Shapes	201 COMMERCE CT.	HOPKINSVILLE	KY	42240
110043174098	Ridley Feed Operations	130 BILL BRYAN BLVD	HOPKINSVILLE	KY	42240-6800
110009958965	Rogers Group Hopkinsville Agre	CASKY RD	HOPKINSVILLE	KY	42240
110022418329	Rolling Frito-Lay Sales Lp	131 JEFFREY DR	HOPKINSVILLE	KY	42240-5522
110037482346	Seay Oil Co Inc	700 W 15TH ST	HOPKINSVILLE	KY	42240
110003252649	Sun Chemical Corp Gpi	100 SUN CHEMICAL COURT	HOPKINSVILLE	KY	42240-6816
110000380711	Superior Graphite Co	4021 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5021
110017221914	Tg Automotive Sealing Ky Llc	501 FRANK YOST LANE	HOPKINSVILLE	KY	42240-6817
110000380631	Trad Na Inc	210 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110003243669	United Parcel Service Hopkinsv	118 FAULTLESS ROAD	HOPKINSVILLE	KY	42240-4440
110041958192	Waddington Place	DAVEN DR	HOPKINSVILLE	KY	42240
110020741973	Wal-Mart 6066	690 CRENSHAW BLVD	HOPKINSVILLE	KY	42240
110006550632	Wh Manufacturing Inc	110 BILL BRYAN BOULEVARD	HOPKINSVILLE	KY	42240-6800
110045516036	Whayne Supply Company	211 COMMERCE CT	HOPKINSVILLE	KY	42240
110043509147	Woodmont Basin Drainage Improv	PARDUE LANE	HOPKINSVILLE	KY	42240

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fac_id	name	addr	city	state	zip
110022811055	Alliance Tubular Holdings Llc	500 PLANT YOST LN	HOPKINSVILLE	KY	42240
110002052894	Amfine Chemical Corporation	6805 JOHN RIVERS ROAD	HOPKINSVILLE	KY	42240-8717
110002108763	Brazeway Incorporated	310 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240-6807
110022523045	Commonwealth Agri-Energy Llc	4895 PEMBROKE RD PO BOX 766	HOPKINSVILLE	KY	42241-0766
110000380640	Dana Structural Manufacturing Llc	301 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110000380613	Ebonite International Inc	1813 W. 7TH ST.	HOPKINSVILLE	KY	422401873
110002108772	Emhart Teknologies	1915 PEMBROKE ROAD	HOPKINSVILLE	KY	42240-4490
110000881788	Ems Togo Corporation	120 BILL BRYAN BLVD	HOPKINSVILLE	KY	422400000
110000793767	Faultless Caster Corporation	120 FAULTLESS ROAD	HOPKINSVILLE	KY	42240-4440
110000380659	Freudenberg Hopkinsville Ky Site	2975 PEMBROKE ROAD	HOPKINSVILLE	KY	42240-6802
110000380668	Grupo Antolin Kentucky	208 COMMERCE CT.	HOPKINSVILLE	KY	42240
110000380622	Hubbard Feeds Inc	130 BILL BRYAN BOULEVARD	HOPKINSVILLE	KY	42240-6800
110009574497	Mssc	102 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110000380686	Phelps Dodge Magnet Wire Company	2669 PEMBROKE RD.	HOPKINSVILLE	KY	42240
110000380695	Plymouth Engineered Shapes	201 COMMERCE CT.	HOPKINSVILLE	KY	42240
110000380702	Siemer Milling Co	315 QUINTIN CT.	HOPKINSVILLE	KY	42240
110003252649	Sun Chemical Corp Gpi	100 SUN CHEMICAL COURT	HOPKINSVILLE	KY	42240-6816
110000380711	Superior Graphite Co	4021 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5021
110003221317	Thomas Industries Inc	300 GILBERT STREET	HOPKINSVILLE	KY	42240-6313
110000380631	Trad Na Inc	210 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110000380720	U S Smokeless Tobacco Manufacturing Co Llc	1600 NORTH MAIN STREET	HOPKINSVILLE	KY	42240-2724
110000380739	Venture Industries	4020 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5020
110002108781	W.R. Grace & Co. Conn.	1606 INDUSTRIAL DR.	HOPKINSVILLE	KY	42240
110006550632	Wh Manufacturing Inc	110 BILL BRYAN BOULEVARD	HOPKINSVILLE	KY	42240-6800



AIRS

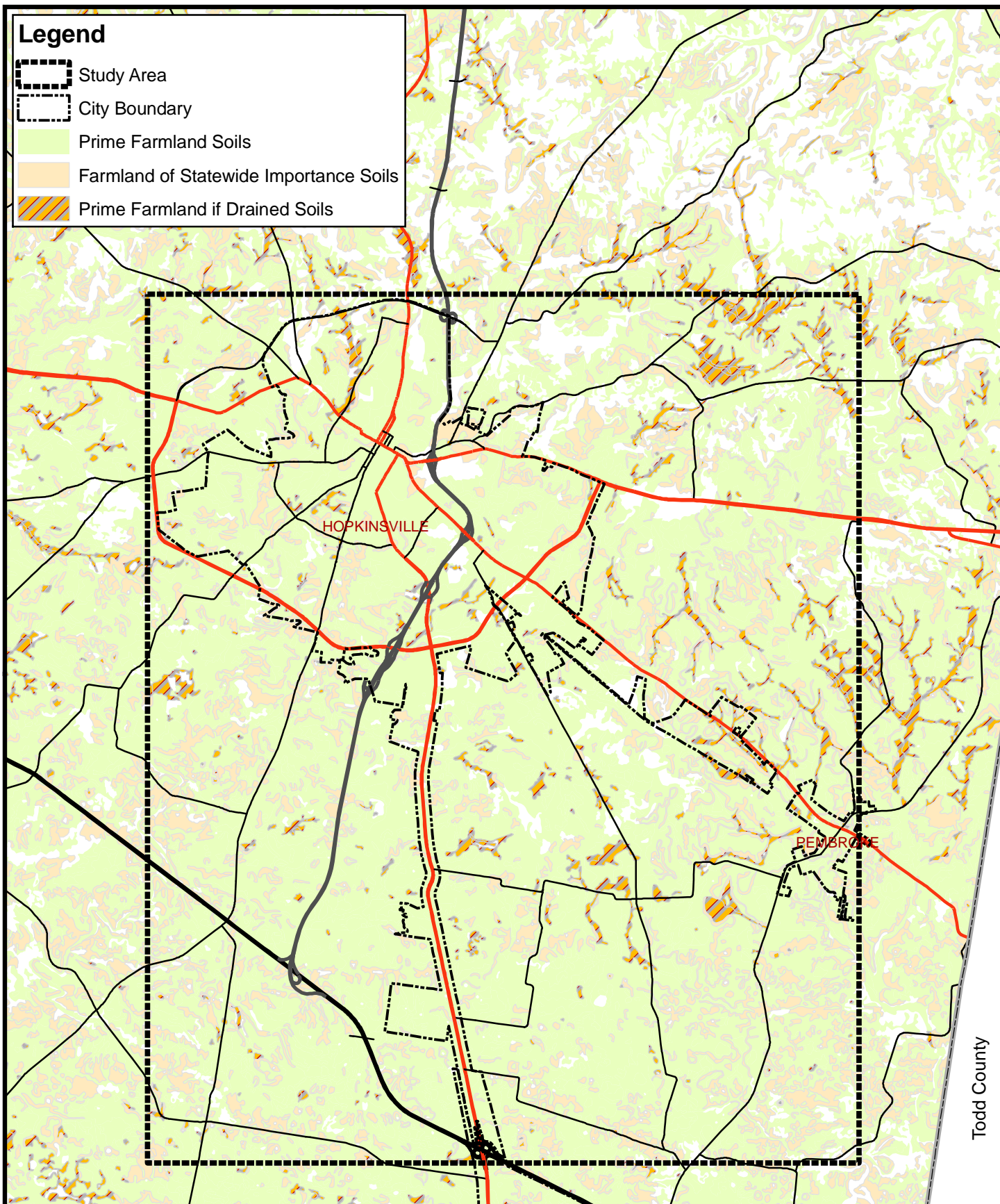
fac_id	name	addr	city	state	zip
110000881859	Abtco Building Products	1857 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5019
110002355763	Ag Spray Equipment Inc	1100 NEW INDUSTRY LANE	HOPKINSVILLE	KY	42240-8610
110022811055	Alliance Tubular Holdings Llc	500 PLANT YOST LN	HOPKINSVILLE	KY	42240
110002052894	Amfine Chemical Corporation	6805 JOHN RIVERS ROAD	HOPKINSVILLE	KY	42240-8717
110002108763	Brazeway Incorporated	310 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240-6807
110039611630	Breathitt Veterinary Center	715 NORTH DR	HOPKINSVILLE	KY	42240
110044954289	Comefri Usa Inc	330 BILL BRYAN BLVD	HOPKINSVILLE	KY	42240
110022523045	Commonwealth Agri-Energy Llc	4895 PEMBROKE RD PO BOX 766	HOPKINSVILLE	KY	42241-0766
110015722253	Continental Mills	100 KRUSTEAZ WAY	HOPKINSVILLE	KY	42240
110006754814	Copar Inc Aluminum Division	750 FRANK YOST LN	HOPKINSVILLE	KY	42240
110000380640	Dana Structural Manufacturing Llc	301 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110043659760	Denso Air Systems Kentucky	1405 FRANK YOST LANE	HOPKINSVILLE	KY	42240
110003218349	Douglas Autotech Corp	206 COMMERCE DRIVE	HOPKINSVILLE	KY	42240-6806
110000380613	Ebonite International Inc	1813 W. 7TH ST.	HOPKINSVILLE	KY	422401873
110000881788	Ems Togo Corporation	120 BILL BRYAN BLVD	HOPKINSVILLE	KY	422400000
110002348745	Fp International - Hopkinsville, Ky	1 GRAHAM WAY	HOPKINSVILLE	KY	42240
110000380659	Freudenberg Hopkinsville Ky Site	2975 PEMBROKE ROAD	HOPKINSVILLE	KY	42240-6802
110000380668	Grupo Antolin Kentucky	208 COMMERCE CT.	HOPKINSVILLE	KY	42240
110013680828	Hopkinsville Elevator Co - Casky Plant	4785 PEMBROKE ROAD	HOPKINSVILLE	KY	42240
110001242682	Hopkinsville Milling Co	1601 SO CAMPBELL ST	HOPKINSVILLE	KY	42240-4237
110000552054	Hopkinsville, Ky (Seed Plant)	1104 SKYLINE DRIVE	HOPKINSVILLE	KY	42240-5009
110000380622	Hubbard Feeds Inc	130 BILL BRYAN BOULEVARD	HOPKINSVILLE	KY	42240-6800
110013874655	Imi South Llc	380 HARRY BERRY LN	HOPKINSVILLE	KY	42240
110038936113	Kalkaska Construction Service	2669 PEMBROKE ROAD	HOPKINSVILLE	KY	42240
110039610043	Key Cleaners	802 E 9TH ST	HOPKINSVILLE	KY	42240
110003219302	Kleen Rite Cleaners Inc.	600 S VIRGINIA ST	HOPKINSVILLE	KY	42240
110040495639	Lee Masonry Products Inc	1005 N VINE ST	HOPKINSVILLE	KY	42240
110016757286	Lopke Portable Crushing Plant - Eagle	4895 PEMBROKE RD	HOPKINSVILLE	KY	42240
110039611621	Maintainer Corp Of Ky Inc	1405 FRANK YOST LN	HOPKINSVILLE	KY	42240
110006753897	Martinrea Hopkinsville Llc	1500 FRANK YOST LN	HOPKINSVILLE	KY	42240
110007287300	Mid-Continent Spring Company	INDUSTRIAL DRIVE	HOPKINSVILLE	KY	42240
110003234740	Model Cleaners, Inc.	1117 S. MAIN STREET	HOPKINSVILLE	KY	42240-2011
110009574497	Mssc	102 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240


AIRS

fac_id	name	addr	city	state	zip
110003236089	Paris Packaging Inc	203 COMMERCE COURT	HOPKINSVILLE	KY	42240-6806
110000380686	Phelps Dodge Magnet Wire Company	2669 PEMBROKE RD.	HOPKINSVILLE	KY	42240
110010322150	Plymouth Engineered Shapes	201 COMMERCE ST	HOPKINSVILLE	KY	42240-6806
110007287319	Rogers Group Inc - Hopkinsville Asphalt	211 CASKY LANE	HOPKINSVILLE	KY	42240
110013874968	Rogers Group Inc - Hopkinsville Quarry	US 41A	HOPKINSVILLE	KY	42240
110001242708	Siemer Milling Co	2005 SOUTH WALNUT	HOPKINSVILLE	KY	42240
110007366297	Siemer Milling Company	ADJACENT TO KY 109	HOPKINSVILLE	KY	42240
110001963830	Stone Auto Truck Repair	1279 MILLERS MILL ROAD	OAK GROVE	KY	42262-9343
110003252649	Sun Chemical Corp Gpi	100 SUN CHEMICAL COURT	HOPKINSVILLE	KY	42240-6816
110000380711	Superior Graphite Co	4021 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5021
110017221914	Tg Automotive Sealing Ky Llc	501 FRANK YOST LANE	HOPKINSVILLE	KY	42240-6817
110040495728	Todd Co Crushed Stone Llc - Hma Portable Drum Plant	1550 OLD CONCORD LN	HOPKINSVILLE	KY	42240
110000380631	Trad Na Inc	210 BILL BRYAN BLVD.	HOPKINSVILLE	KY	42240
110000380720	U S Smokeless Tobacco Manufacturing Co Llc	1600 NORTH MAIN STREET	HOPKINSVILLE	KY	42240-2724
110000380739	Venture Industries	4020 CALVIN DRIVE	HOPKINSVILLE	KY	42240-5020
110001370855	West Ky Pavers Inc	442 NORTH DRIVE	HOPKINSVILLE	KY	42240-1875
110035426599	Western State Hospital	2400 RUSSELLVILLE ROAD	HOPKINSVILLE	KY	42240-8095
110006550632	Wh Manufacturing Inc	110 BILL BRYAN BOULEVARD	HOPKINSVILLE	KY	42240-6800

Legend

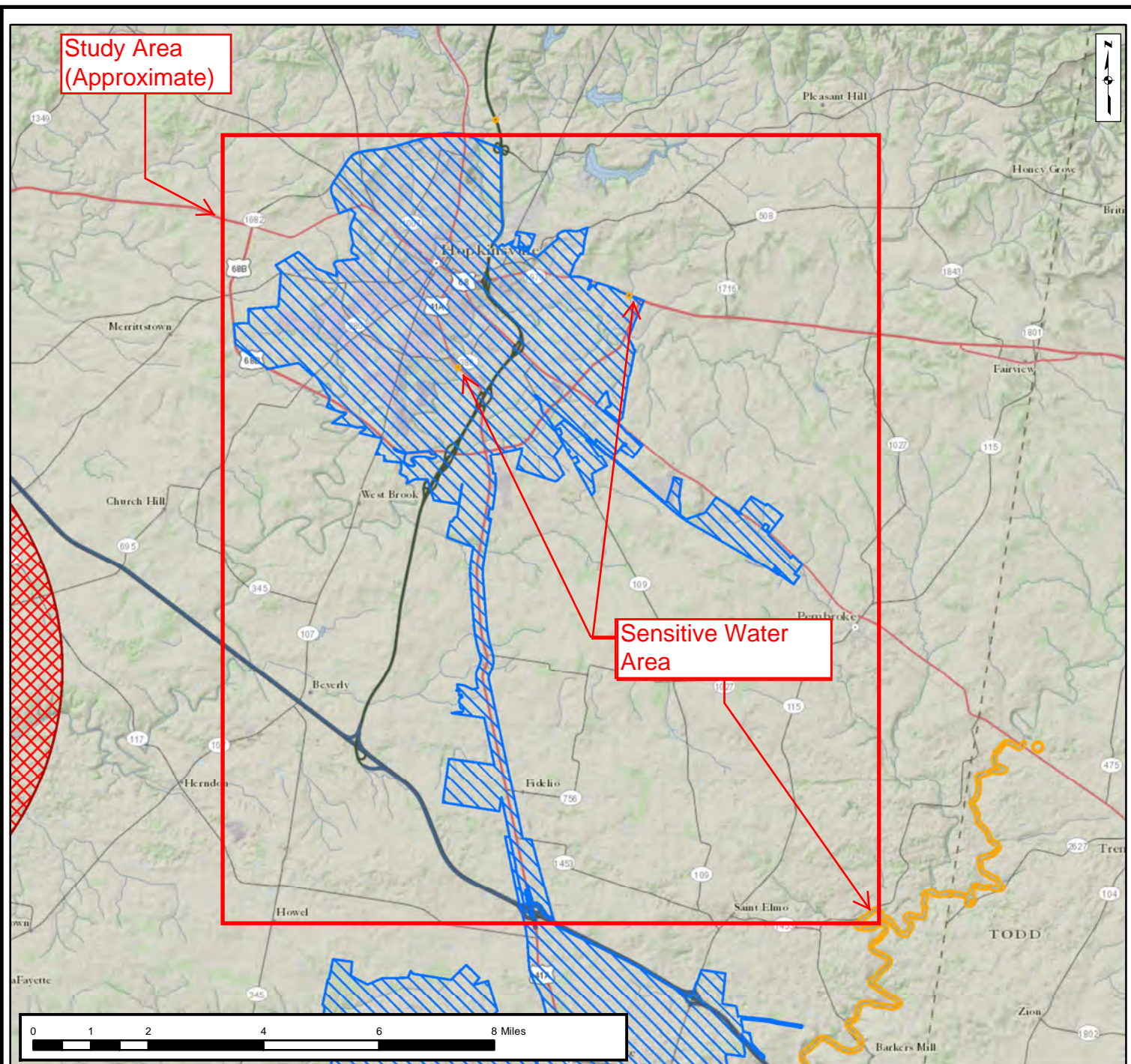
-  Study Area
-  City Boundary
-  Prime Farmland Soils
-  Farmland of Statewide Importance Soils
-  Prime Farmland if Drained Soils



0 0.5 1 2 3

Miles

ENVIRONMENTAL OVERVIEW
Hopkinsville Small Urban Area Study
Christian County, Kentucky

ATTACHMENT B22
Prime and Other
Important Farmland Soils



- Sensitive Water Area
- MS4 Areas
- DEA Managed Areas
- Indiana Bat Habitat
- DEA Special Use Water Compliance

- Route Log
- 1/10th Mile Calculated Interval
- 1/10th Mile Calculated Interval
- Bridges

Active SYP Construction Projects

<all other values>

SYP_PHA_STAGE

AUTHORIZED

AWARDED

Hopkinsville SUA-KYTC Environmental Overview

Attachment B23

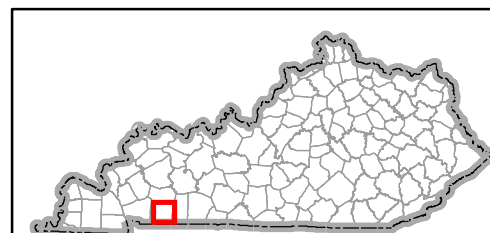
Date: 9/19/2012



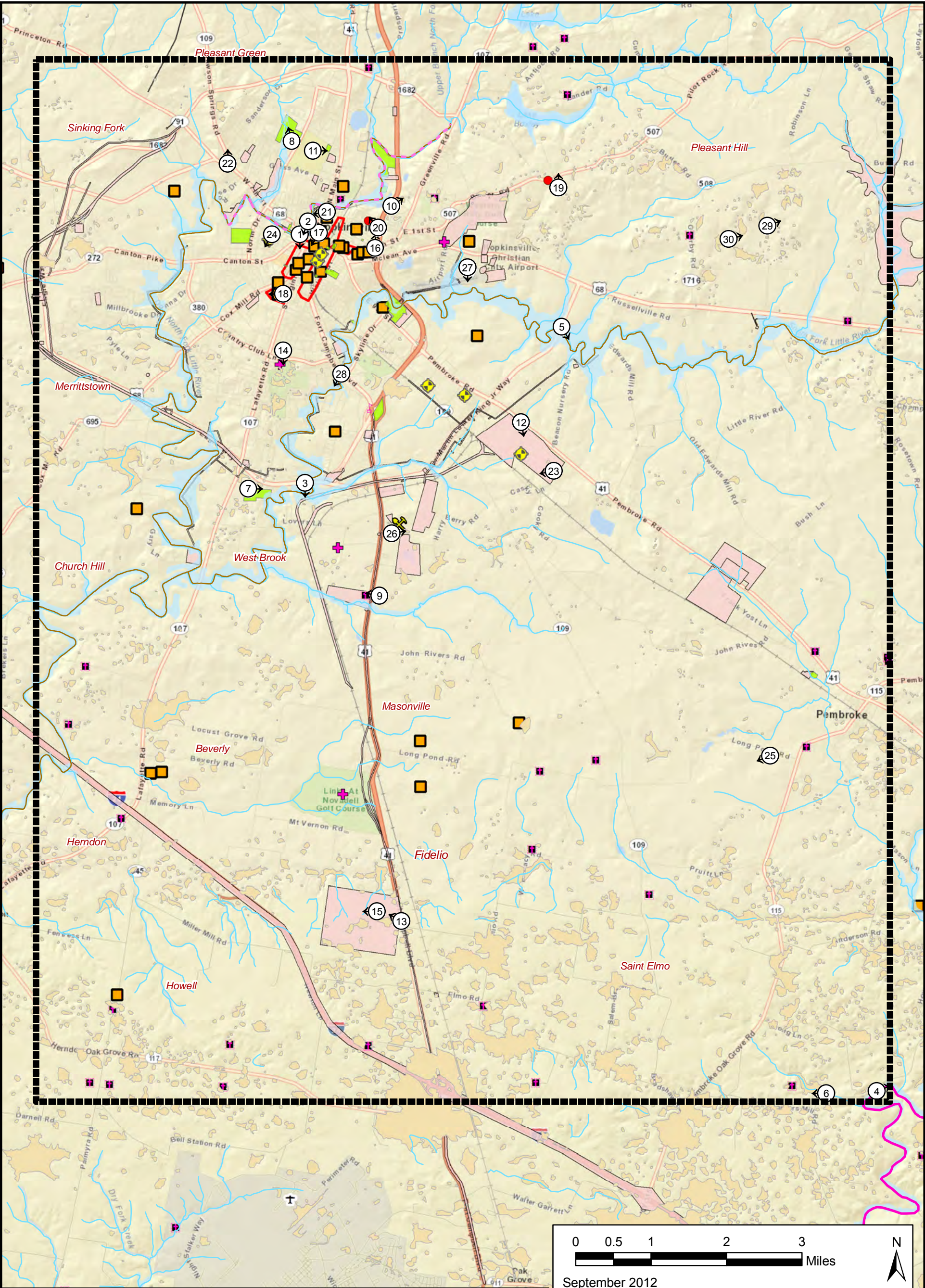
KYTC

Division of Environmental Analysis






















200 Mero St, Suite W-5
Frankfort, KY 40601
Phone: (502) 564-7250



ATTACHMENT C
Photograph Index Map and Study Area Representative Photographs



Legend

- | | | |
|---|--|--|
|  Study Area |  Sinkholes |  CERCLIS (Superfund) Site |
|  Photo Number, Location, Direction |  Parks |  RCRA (CORRACTS) |
|  Streams |  Cemetery |  KY Superfund Site |
|  KDOV 305(b) Streams |  College/University |  Mine/Quarry |
|  KDOV 303(d) Streams |  Place of Interest |  Air Field |
|  KDOV Special Use Waters |  KOSA Areas |  World Street Map |
|  FEMA Floodplains |  NRHP Property | |
| |  NRHP District | |

ATTACHMENT C

Photograph
Index Sheet

ENVIRONMENTAL OVERVIEW

Hopkinsville Small Urban Area Study
Christian County, Kentucky



Photo 1: Downtown Hopkinsville; facing south.

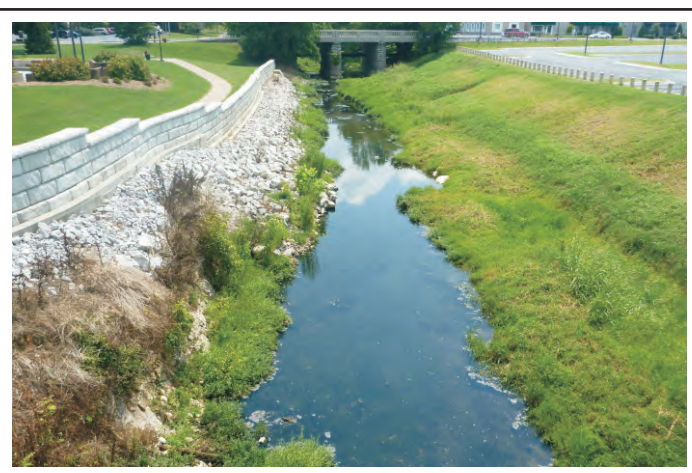


Photo 2: North Fork Little River in downtown Hopkinsville; KDOW listed stream reach for 305(b) and 303(d); facing downstream, southwest.



Photo 3: South Fork Little River at US 68B; KDOW listed stream reach for 303(d); facing downstream, south.

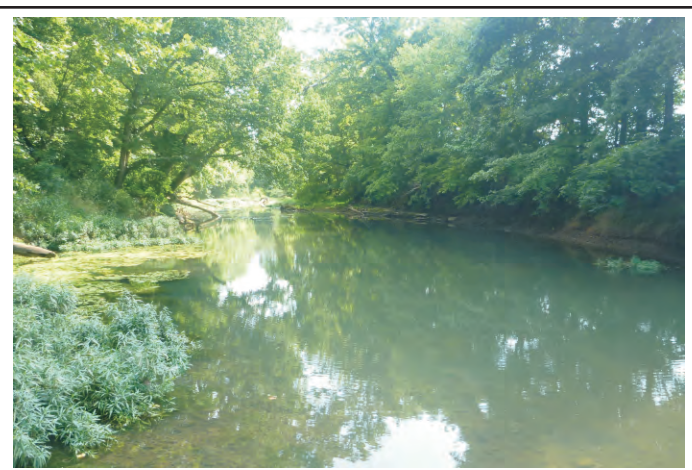


Photo 4: West Fork Red River; KDOW designated Special Use Water: cold water aquatic habitat, exceptional water, reference reach water, and outstanding state resource water; facing upstream, northeast.



Photo 5: South Fork Little River and associated floodplain at US 68B; facing upstream, southeast.



Photo 6: Example of karst geology in study area; sinkhole in agricultural field; facing west.



Photo 7: Tie Breaker Park, City of Hopkinsville; example of Section 4(f) public recreation facility and Section 6(f) LWCF grant resource; facing east.



Photo 8: Ruff Park, Christian County Fiscal Court; example of Section 4(f) public recreation facility and Section 6(f) LWCF grant resource; facing east.



Photo 9: Kentucky Veterans Cemetery West; example of well known social resource in study area; facing west.



Photo 10: Unnamed cemetery north of Hopkinsville; example of USGS mapped cemetery in study area; facing northeast.



Photo 11: Hopkinsville Community College; example of well known social resource in study area; facing east.



Photo 12: Hopkinsville Industrial Park; example of well known economic resource in study area; facing south.



Photo 13: Southpark business development; example of recently developed economic resource (new industrial park) in study area; facing northwest.



Photo 14: Hopkinsville Country Club; example of social resource in study area; facing south.



Photo 15: Example of an area previously surveyed for archaeological resources (KOSA data); Southpark business development; facing west.



Photo 16: Example of Section 106 resource in study area; Walker, E.W. House, NRHP listed property; facing north.



Photo 17: Example of Section 106 resource in study area; Hopkinsville Commercial Historic District from S. Virginia St. and E. 7th St.; facing southwest.



Photo 18: Example of Section 106 resource in study area; Alumni-Latham-Mooreland Historic District along Alumni Ave.; facing west.



Photo 19: USEPA reported CERCLIS (Superfund) site: Butler Road Mercury Spill, 3915 Butler Road; no visual evidence of site contamination present; facing north.



Photo 20: USEPA reported CERCLIS (Superfund) site: Gray PCB, 1012 Moayon Dr, No Further Remedial Action status 1990; facing northeast.



Photo 21: USEPA reported RCRA Corrective Action site and RCRA TSD site: Hopkinsville Stone Company, 41 Main St; company no longer present at location; facing west.



Photo 22: USEPA reported RCRA TSD site: OmniTech, Inc., 1808 Dawson Springs Rd.; company no longer present at location; facing north.



Photo 23: Representative photo of Additional Hazardous Materials Concern site, near EMS-Togo Corp monitoring wells (Kentucky Superfund program) in industrial park; facing southwest.



Photo 24: Representative photo of Additional Hazardous Materials Concern site, near Thomas Industries Inc. monitoring wells (Kentucky Superfund program) on Gilbert Drive; facing southwest.



Photo 25: Representative view of agricultural land use in study area, row-crop corn and tobacco fields; facing southwest.



Photo 26: Active limestone quarry, Hopkinsville Aggregate, US 41A South; facing east.



Photo 27: Hopkinsville-Christian County Airport terminal facility; facing south.



Photo 28: Representative photograph of KYTC identified Sensitive Water Area: US 41A crossing of South Fork Little River; facing downstream, south.

APPENDIX B

Geotechnical Overview

cc: N. Hall
S. Ross
S. Gutti
T. Higdon

MEMORANDUM

TO: Keith Damron, P.E.
Division of Planning

BY: Bart Asher, P.E., P.L.S.
Geotechnical Branch Manager

DATE: July 22, 2013

SUBJECT: **Christian County**
Hopkinsville Small Urban Area Study
12FO C35 D625 02 FH02 0410 C024 E143
Mars # 8658308P
Preliminary Geotechnical Assessment

The Division of Planning is conducting a Small Urban Areas Study for the subject project. This project is located in Christian County, KY in an area surrounding Hopkinsville as depicted on the site map. The study area is located in the Mississippian Plateau or Pennyryle Physiographic Region. This abbreviated review will discuss some general geotechnical concerns with the area.

The approximate coordinates for the center of this site is site are: 36.804138 degrees North and -87.452105 degrees West. The site is located in numerous Geologic Quadrangles as depicted on the attached map.

The study area is well known for its rolling terrain, red clay soils (residual material remaining after the soluble elements of the bedrock have dissolved) and the Karst behavior of the underlying bedrock (Karst features may include sinkholes, caves and solution features in the bedrock.)

The Kentucky Geological Survey states that the physiographic region encompassing the area:

consists of a limestone plain characterized by tens of thousands of sink holes, sinking streams, streamless valleys, springs, and caverns. The term "karst" is used to define this type of terrain. The Karst terrain of the Mississippian Plateau occurs because the bedrock in the eastern and southern parts of the region is dominated by thick deposits of Mississippian-age limestones. These limestones are soluble (i.e. will dissolve) under the right conditions, which means they can easily be eroded by waters moving through the ground. These groundwaters can form miles of passages beneath the surface, from tiny paths only inches wide, to large caverns and rooms more than 100 feet wide

Clay and aggregate have been mined commercially in the region.

The available mapping indicates some notable faults to the North of the study area. The mapping also indicates that this area has numerous karst features.

Foundations for bridges in the study area are generally rock bearing (end bearing piles, drilled shafts or spread foundations). Smaller structures such as retaining walls and box culverts are commonly founded on soil.

Soils in the area are generally suitable for embankment construction. Generally embankments built from the native soils can be constructed to a height of 60 feet with 2H:1V sideslopes if the foundation is suitable and proper compaction methods are used. Soil cuts in the native soils have been historically problematic. Soil cuts over approximately 10 feet often require analyses to design proper sideslopes. In no case should soil cuts be steeper than 2H:1V.

California Bearing Ratio (CBR) values used in pavement design are generally low for soils subgrades in the area. Chemical modification of subgrade or the use of rock roadbed is common in the area.

Rock cuts in the area can be problematic due to the Karst nature of the bedrock. Solution features can cause the bedrock surface to be erratic.

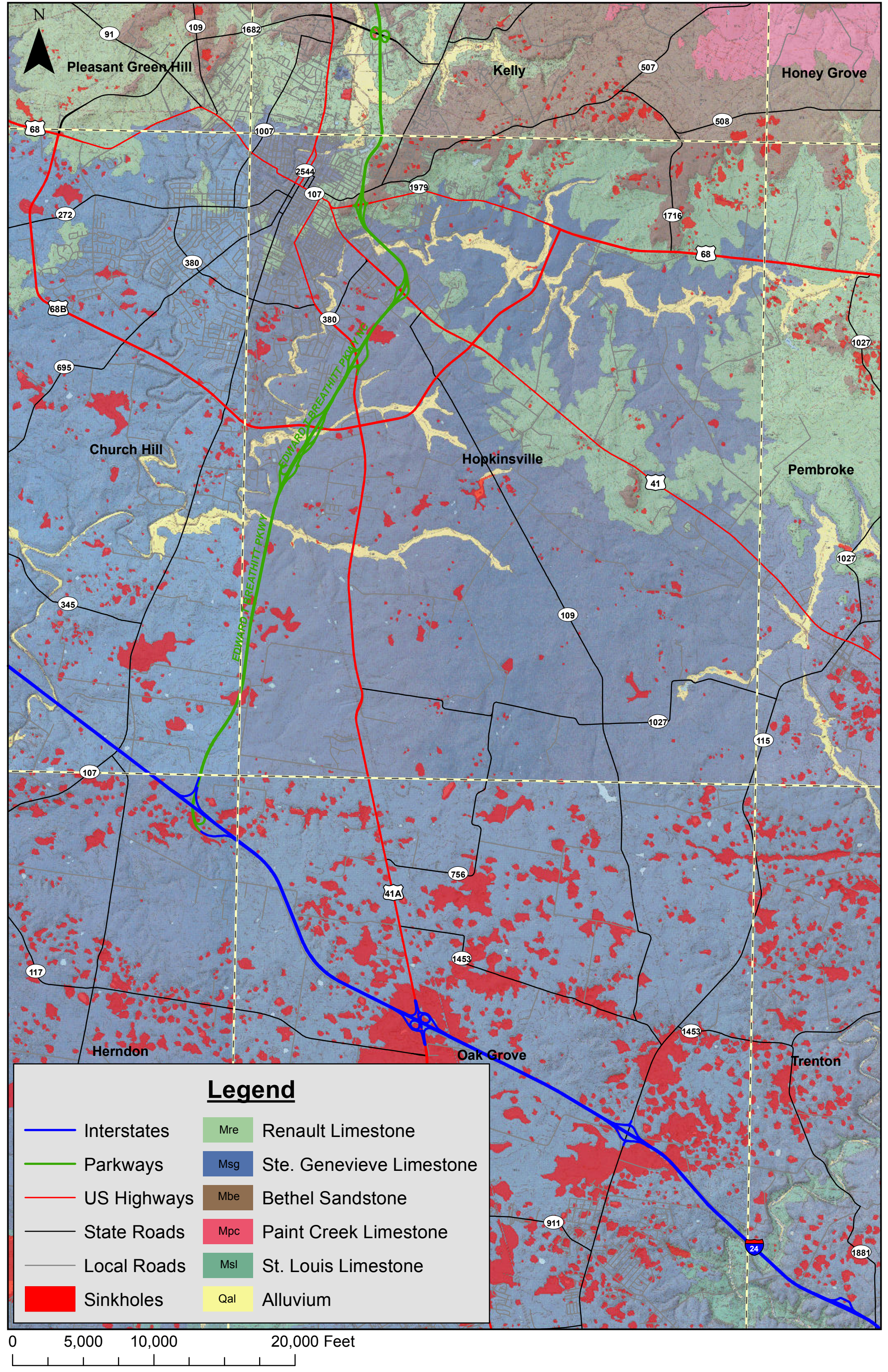
A list of previously completed Geotechnical Investigations within the study area is located in the appendix. The reports can be accessed through the KYTC Geotechnical Branch Database which can be accessed through the KYTC Division of Structural Designs home page (Click on Geotech and Search KYTC Completed Projects).

Site specific Geotechnical investigations are critical in this region for design due to the karst potential of the area and the potential for problematic soils.

Attachments:

GQ Site Map

List of Previously Completed Geotechnical Investigations in Study Area



Report No.	Road No.	Structure Over		Information
S-036-1994	US-68	I-24	Construction	E.T. BREATHITT PARKWAY (PENNYRILE PARKWAY) EXTENSION PRIORITY SECTION 1 FROM LOVERS LANE, N TO US41A (INCLUDING INTERCHANGE). Eval. of Pier 6
R-006-1991	KY-380		Roadway	From Sta 10+00 to Sta 67+00
R-005-1985	US-68		Roadway	From Sta. 100+036.723 to 107+010.000
S-105-1994	US-68		Roadway	From Station 0+00 to Station 102+00
S-114-2004	EB-9004		Roadway	From Sta 50+00 to 101+81
S-071-2007	EB-9004	Tennessee Central Railroad	Roadway	Bridge Foundation Investigation on Canton Pike & 14th St at approx. Sta 18+00 to Sta 22+00
R-051-2001	US-41		Roadway	From Sta 119+50 to Sta 395+08.43
S-037-1994	US-68		Roadway	From Sta. 584+75 to 691+15
S-029-2005	EB-9004		Roadway	From Sta. 338+09 to 593+00, See S-028-2005, S-029-2005, S-052-2005
S-070-2007	EB-9004		Roadway	From Sta 576+76.07 to 821+49.34
S-029-1998	KY-507		Roadway	From Station 0+00 to Station 105+00
R-031-1997	US-41A		Roadway	From Sta 387+02.88 to 586+00
S-012-2009	CS-1007		Roadway	From Station 10+32.5 to 32+34.95
S-063-1991	US-68		Roadway	From Station 105+00 to Station 195+00
S-108-2004	EB-9004		Roadway	From Sta. 100+78.69 to 471+92
S-051-1975	US-68		Roadway	From Sta. 583+50 to 739+50
S-110-2004	EB-9004		Roadway	From Sta. 185+34.91 to 393+48.21
S-109-2002	KY-380		Roadway	From milepoint 0 to 14
S-011-2005	EB-9004		Roadway	From Stas 18+00 (+/-) to 186+66 (+/-)
S-116-2004	EB-9004		Roadway	From Station 303+00 to Station 515+00
S-068-1995	KY-508		Structure	Box Culvert
R-021-2005	EB-9004		Structure	Box Culvert
S-006-1994	US-68		Structure	Box Culvert
S-127-2006	EB-9004		Structure	Box Culvert
S-012-2002	US-41		Structure	Box Culvert
S-014-2002	US-41		Structure	@ Station 15+00
R-002-1993	US-41		Structure	Christian Co. - Culvert @ Frontage Rd. #1 Sta. 11+05 - Structure Report
S-103-1991	US-68		Structure	Double 10'x4' RCBC @ STA 316+56
S-011-1992	US-68		Structure	Christian Co. - Culvert @ Ramp B2 Sta. 288+00 - Structure Report
S-115-2004	EB-9004	Muddy Fork	Structure	Single Span @ Station 545+22
S-103-1994	KY-109		Structure	10'x3' RCBC @ STA 334+78
S-016-2002	US-41		Structure	8' X 7' RCBC @ Ramp A2 Sta. 10+35 @ 25 degree skew left
S-051-2005	EB-9004		Structure	Double 9' x 6' RCBC @ STA 369+27
S-009-2005	EB-9004		Structure	REPLACE BRIDGE AND APPROACHES ON CR-9999 OVER SOUTH FORK OF LITTLE RIVER (C80). (SR=23.5)
S-028-2005	EB-9004		Structure	8'x3' RCBC @ STA 381+08
S-013-2002	US-41	Fork of Little River	Structure	Single Span @ Station 35+56.5
R-017-1992	US-68		Structure	4'x4' RCBC @ STA 421+78
S-011-2002	US-41		Structure	4'x3' RCBC @ STA 428+23
S-014-1985	KY-508		Structure	6'x4' RCBC @ STA 450+40
S-017-2002	US-41		Structure	6'x5' RCBC extension @STA 505+84
S-102-1991	US-68	Breathitt Parkway	Structure	2-span bridge on Beverly Road @ 49+96.75 ML 441+00.57
S-004-1994	US-68	Lower Branch	Structure	1.5 miles S of KY 508
S-130-2003	CS-1543	Breathitt Parkway	Structure	2-span bridge on Locust Grove Church Road @ 49+96.38 ML 461+74.32
S-010-2005	EB-9004		Structure	Hopkinsville Southwest Bypass - 10' X 5' X 133' RCBC @ Sta. 20+37
S-003-1994	US-68		Structure	Hopkinsville Southwest Bypass - 10' X 5' X 216' RCBC @ Sta. 304+30
S-062-1991	US-68		Structure	Hopkinsville Southwest Bypass - 9' X 7' X 106' RCBC @ Sta. 108+09

S-075-2003	CS-18		Structure	Box Culvert
S-109-2004	EB-9004	North Fork Little River	Structure	Twin 3 Span Bridges @ STA 171+95.5
S-107-2004	EB-9004	Muddy Fork Creek	Structure	Bridge on US 68 over Muddy Fork Creek at MP 4.681
S-111-2004	EB-9004	Lower Branch	Structure	Pilot Rock Road over Lower Branch
R-024-1992	US-68		Structure	8' X 7' RCBC @ ML Sta. 606+55 @ 25 degree Skew Left
S-106-1994	US-68	Beverly Branch	Structure	Bridge over Beverly Branch @ sta 402+30
R-026-2004	EB-9004	Upper Branch of Little River	Structure	0.2 miles W of intersection of KY 107
S-010-2002	US-41	Upper Branch of Little Creek	Structure	0.2 miles W of the intersection of KY 107; Sta. 46+08.5; E bound
S-015-2002	US-41	Lower Branch of Little River	Structure	200 ft. E of the intersection of KY 107
R-026-1993	US-68B	Fork of Little River	Structure	Bridge is located approximately 1.1 miles West of the junction of KY-1843 with KY-508
S-153-2002	CR-1362	Fork of Little River	Structure	Bridge is located approximately 0.7 miles West of the junction of KY-1843 with KY-508
S-121-1993	US-68	I-24	Structure	E.T. BREATHITT PARKWAY (PENNYRILE PARKWAY) EXTENSION PRIORITY SECTION 1; FROM LOVERS LANE, N TO US41A (INCLUDING INTERCHANGE).
S-052-2005	EB-9004	Rock bridge creek	Structure	E.T. BREATHITT PARKWAY (PENNYRILE PARKWAY) EXTENSION PRIORITY SECTION 1; FROM LOVERS LANE, N TO US41A (INCLUDING INTERCHANGE).
R-036-1990	US-68B	CSX RAILROAD	Structure	18th street over CSX Railroad
S-008-1985	KY-508		Structure	DBL 18' X 8' X 297' RCBC @ Sta. 19+90
S-061-1991	US-68	South Fork Little River	Structure	Bridge @ Sta. 51+25
R-007-1971	KY-272		Structure	RCBC @ Sta. 43+18.5
S-112-2004	EB-9004		Structure	RCBC @ Sta. 52+42.1 under the CSX railroad.
S-051-1997	KY-507		Structure	RCBC @ Sta. 355+26
R-018-1991	US-68		Structure	RCBC @ Sta. 353+35
S-067-1995	KY-508	South Fork ofLittle River	Structure	Twin Bridges @ Sta. 218+33
R-002-1998	US-41A	Hopkinsville Bypass	Structure	4 Span Bridge over Ky 3493 Hopkinsville Bypass
S-005-1994	US-68	Sivley Road	Structure	3 Span Bridge over Sively Road Parkway Extension
S-104-1994	US-68	South Fork of Little River	Structure	Three Span bridge
R-031-1993	US-68B	Ramp B-1	Structure	Breathitt Parkway Extension Ramp D-1 over B-1
R-026-1987	US-68B	Ramp C	Structure	RCBC Culvert on Ramp C @ Sta 107+45
S-002-1994	US-68	CXS Railroad	Structure	2 Span Bridge @ Sta. 58+20.16 - Hopkinsville Bypass
R-024-1987	US-68B		Structure	18' x 8' RCBC on Breathitt Parkway Extension @ Sta 643+60.00
C-006-2009	EB-9004	Ramp B1	Structure	Ramp B1 RCBC Culvert @ Sta. 196+15
R-024-2002	KY-380	US 41A	Structure	Breathitt Parkway Extension over US 41A
S-111-1994	KY-3493	Breathitt Parkway Extension	Structure	Lovers Lane Bridge over Breathitt Parkway Extension
S-044-1994	US-68B	Fort Campbell Railroad	Structure	Christian Co. Lovers Lane Bridge over Fort Campbell Railroad
S-041-1993	US-41	South Fork Little River	Structure	US 68/Ky 80 bridge @ Sta. 381+59.65
R-022-1992	US-68		Structure	8' x 7' RCBC at Frontage Road Station 11+41.72
S-038-1994	US-68		Structure	East 18 th Street over CSX Railraod, Retaining Walls on East 18th & South Campbell Street.
S-107-1994	US-68	Little River	Structure	East of the intersection of CR1362 and CR 1356



APPENDIX C

Environmental Justice Review

Hopkinsville Small Urban Study within Christian County, Kentucky

ENVIRONMENTAL JUSTICE REVIEW

August 2012

Prepared for

Kentucky Transportation Cabinet (KYTC) – Division of Planning



Prepared by

Pennyriple Area Development District



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2.0 WHAT IS ENVIRONMENTAL JUSTICE?	1
3.0 METHODOLOGY	3
4.0 CENSUS DATA ANALYSIS	4
5.0 STUDY FINDINGS: POPULATION BY PERSONS OF MINORITY ORIGIN	6
6.0 STUDY FINDINGS: POPULATION BY PERSONS BELOW POVERTY LEVEL	6
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APPENDICES

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Appendix B: US Census Data Tables for Study Area

Appendix C: Analysis Range Explanation and Methodology for Population Percentages Above or Below the State Threshold

1.0 INTRODUCTION

This report presents a review of the socioeconomic characteristics in the study area for the City of Hopkinsville, Kentucky located in Christian County, which is also located within the Pennyryle Area Development District. This area is depicted in *Exhibit 1, Study Area*. Data from the U.S. Census Bureau Census 2000 has been utilized for the analysis of the Study area. It is intended to be used as a “first look study” into the socioeconomic characteristics that exist within the Study area. If, at a later time specific projects and project locations are identified, a more in-depth analysis of the socioeconomic characteristics may be warranted. The information and results are intended to assist the Kentucky Transportation Cabinet in making informed and prudent transportation decisions in the study area, especially with regard to the requirements of *Executive Order 12898: Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations* (signed February 11, 1994). Executive Order 12898 states:

...each Federal agency shall make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations...”

This report outlines Census 2000 statistics for the project area using tables and maps. Statistics are provided on minority, low-income, elderly, and disabled populations for the block groups and census tracts within the project area, Christian County, Kentucky and the United States.

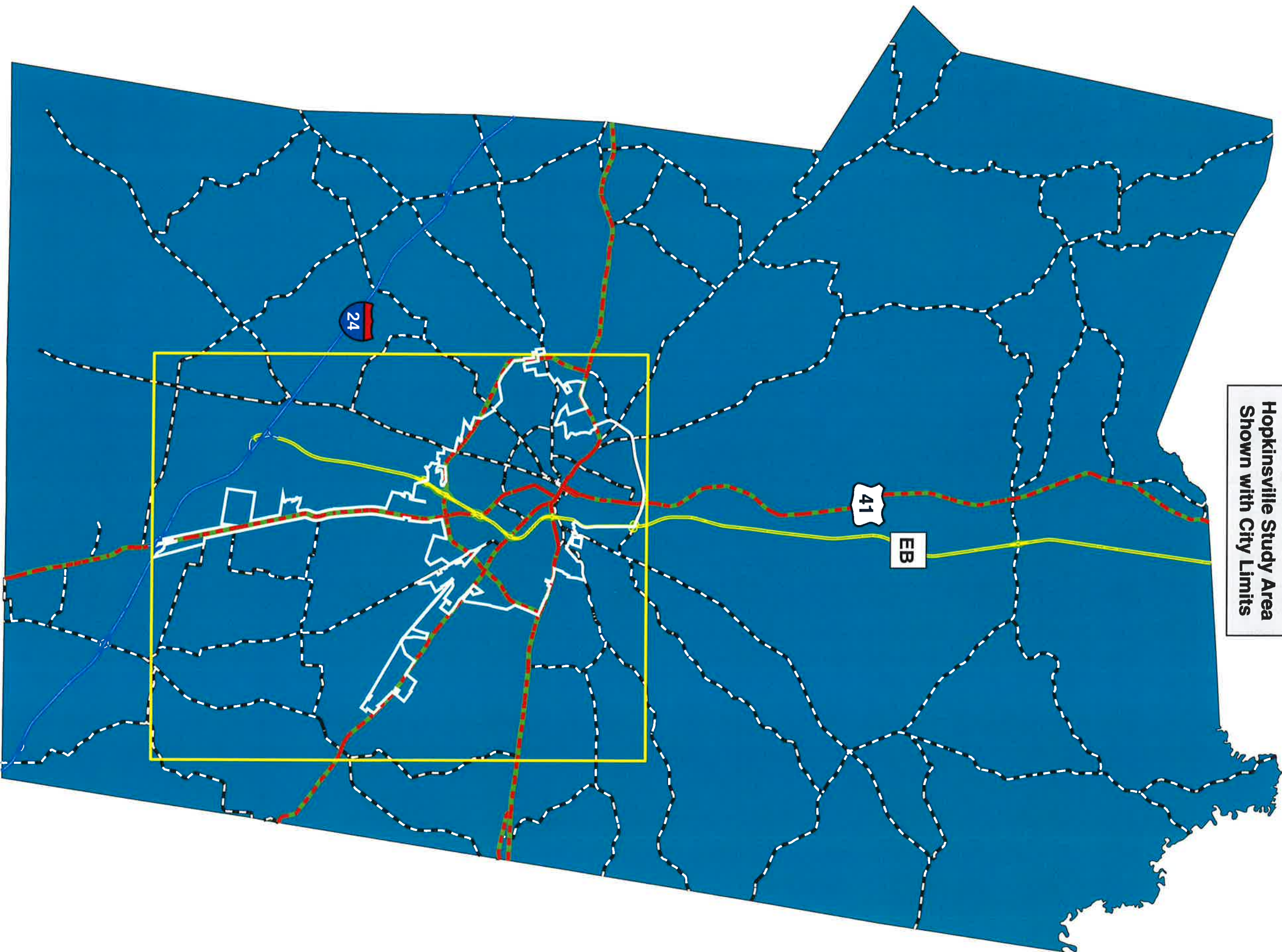
2.0 WHAT IS ENVIRONMENTAL JUSTICE?

The U.S. Department of Transportation (DOT) outlines the three primary Environmental Justice Concepts as:

1. To avoid, minimize, or mitigate disproportionately high and adverse human health or environmental effects, including social and economic effects, on minority populations and low-income populations.
2. To ensure the full and fair participation by all potentially affected communities in the transportation decision-making process.
3. To prevent the denial of, reduction in, or significant delay in the receipt of benefits by minority populations and low-income populations.

Low-income is defined in U.S. DOT Order (5610.2) as “a person whose median household income is at or below the Department of Health and Human Services (HHS) poverty guidelines.” A low-income population is “any readily identifiable group of low-income persons who live in geographic proximity, and if circumstances warrant, geographically dispersed/transient persons...”

Exhibit 1
Hopkinsville Study Area
Shown with City Limits



Legend

Hopkinsville City Limits

Hopkinsville Study Area

Roads

US

Interstate

Parkway

State

Christian County



The U.S. DOT order defines minority as:

1. Black (a person having origins in any of the black racial groups of Africa);
2. Hispanic (a person of Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish culture or origin, regardless of race);
3. Asian American (a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands); or
4. American Indian and Alaskan Native (a person having origins in any of the original people of North America and who maintains cultural identification through tribal affiliation or community recognition).

A minority population is “any readily identifiable groups of minority persons who live in geographic proximity, and if circumstances warrant, geographically dispersed/transient persons...”

A disproportionately high and adverse effect on a minority or low-income population means an adverse effect that:

1. is predominately borne by a minority population and/or low-income population, or
2. will be suffered by the minority population and/or low-income population and is appreciably more severe or greater in magnitude than the adverse effect that will be suffered by the non-minority population and/or non-low-income population.

Elderly and disabled populations (also used in this analysis) are not specifically recognized under the definition of an Environmental Justice community. However, the U.S. DOT specifically encourages the early examination of potential populations of the elderly, children, disabled, and other populations protected by Title VI of the Civil Rights Act of 1964 and related nondiscrimination statutes.

3.0 METHODOLOGY

Data for this study was collected by using the method outlined by the KYTC document, “Methodology for Assessing Potential Environmental Justice Concerns for KYTC Planning Studies” that is located in *Appendix A, Methodology*. The U.S. Census Data used in the report is taken from American Fact Finder Summary File 3 including tables:

- P7. Hispanic or Latino By Race
- P8. Sex by Age
- P 41. Age by Types of Disability for the Civilian Non-institutionalized Population 5 Years and Over with Disabilities
- P 87. Poverty Status in 1999 by Age

The data was compiled with maps and tables to present a detailed description of the community conditions in and around the study area.

4.0 CENSUS DATA ANALYSIS

U.S. Census data is arranged according to geographic unit. The U.S. Census Bureau defines geographical units as:

- **Census Tract (CT)** – “A small, relatively permanent statistical subdivision of a county or statistically equivalent entity delineated for data presentation purposes by a local group of census data users or the geographic staff of a regional census center in accordance with Census Bureau guidelines. CTs generally contain between 1,000 and 8,000 people. CT boundaries are delineated with the intention of being stable over many decades, so they generally follow relatively permanent visible features. They may also follow governmental unit boundaries and other invisible features in some instances; the boundary of a state or county is always a census tract boundary.”
- **Block Group (BG)** - “A statistical subdivision of a CT. A BG consists of all tabulation blocks whose numbers begin with the same digit in a CT. BGs generally contain between 300 and 3,000 people, with an optimum size of 1,500 people.”
- **Census Block (CB)** – “An area bounded on all sides by visible and/or invisible features shown on a map prepared by the Census Bureau. A CB is the smallest geographic entity for which the Census Bureau tabulates decennial census data.”

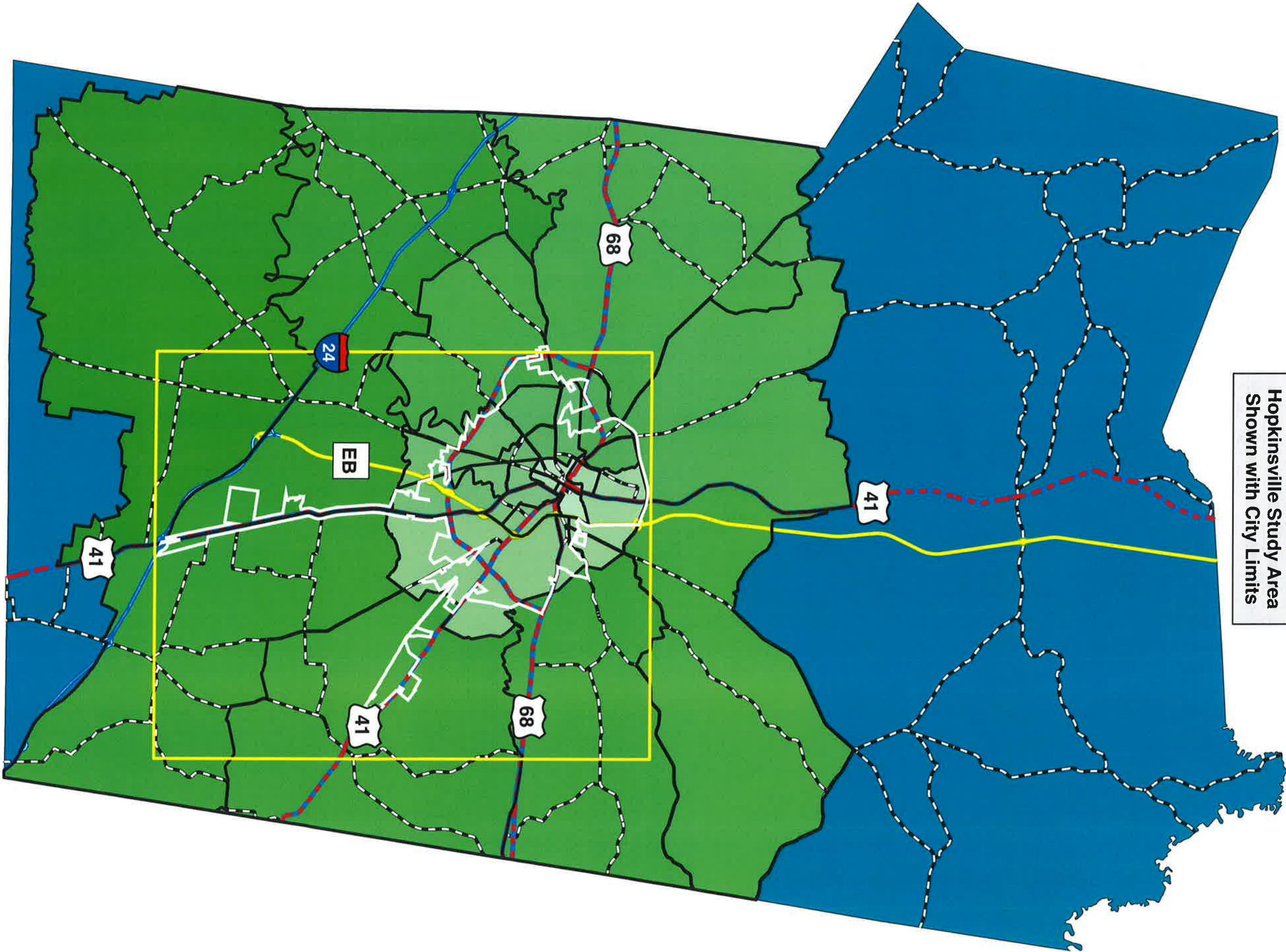
The US Census tables in this report include the total number and percentages for minorities, elderly population, disabled population and low-income population levels for the block groups, census tracts, Christian County, State of Kentucky and the United States. There are two (2) census tracts and four (4) block groups that are relevant to this study area. The Census Data Tables used in this report are located in *Appendix B, Data Tables*. Total population numbers are included in the census tract data even though all block groups within a census tract may not be included in the study area.

A method developed by the Ohio Department of Transportation (ODOT)¹ to identify target populations is applied in this study. This study will use the population percentages for Christian County as the reference threshold for identifying target populations. The County numbers most likely provide a better snapshot of the overall population characteristics of the region in the project area as opposed to the national percentages.

In reviewing each block group for target populations, an analysis range was used based on the reference threshold in each of the four census categories utilized in this study. This range was set at 25 percent above the threshold to 25 percent below the threshold. The full explanation on how this reference threshold is applied is explained in *Appendix C, Analysis Ranges*.

The 2000 Census BlockGroups that comprise the study area are shown in Exhibit 2. It should be noted that some BlockGroups fail to fall within the study area; therefore any BlockGroups that touches the boundary of the study area is included.

Exhibit 2
Hopkinsville Study Area
Shown with City Limits



Legend

- Hopkinsville Study Area
- Hopkinsville City Limits
- Christian County
- Block Groups

Roads

- US
- Interstate
- Parkway
- State

5.0 STUDY FINDINGS: POPULATION BY PERSONS OF MINORITY ORIGIN

As described in the Census Data tables in Appendix B, the minority population percentages for the United States is 24.86 percent, which is significantly higher than Kentucky at 9.92 percent. The Christian County minority population is 30.08 percent, which is significantly higher than either the National or State averages.

As shown in *Exhibit 3* sixteen (16) of the thirty (30) BlockGroups (BG's) in the study area had a higher percentage of minority population in relation to the state threshold (9.92%). The BG with the highest percentage is CT 200400 BG 2 (94.75%). The remaining 15 BGs are listed in order from highest to lowest as follows: CT 200100 BG 1 (88.57%), CT 200300 BG 2 (69.30%), CT 200800 BG 2 (62.98%), CT 200400 BG 1 (59.83%), CT 200300 BG 1 (58.97%), CT 56.32 BG 1 (56.32%), CT 200100 BG 3 (52.73%), CT 200800 BG 1 (48.29%), CT 200100 BG 2 (36.62%), CT 200300 BG 3 (27.88%), CT 201300 BG 1 (22.17%), CT 200500 BG 1 (17.12%), CT 200300 BG 4 (16.35%), CT 200600 BG 1 (15.16%). These BG's can be seen in Appendix D, *Map A, Minority Population*.

6.0 STUDY FINDINGS: POPULATION BY PERSONS BELOW POVERTY LEVEL

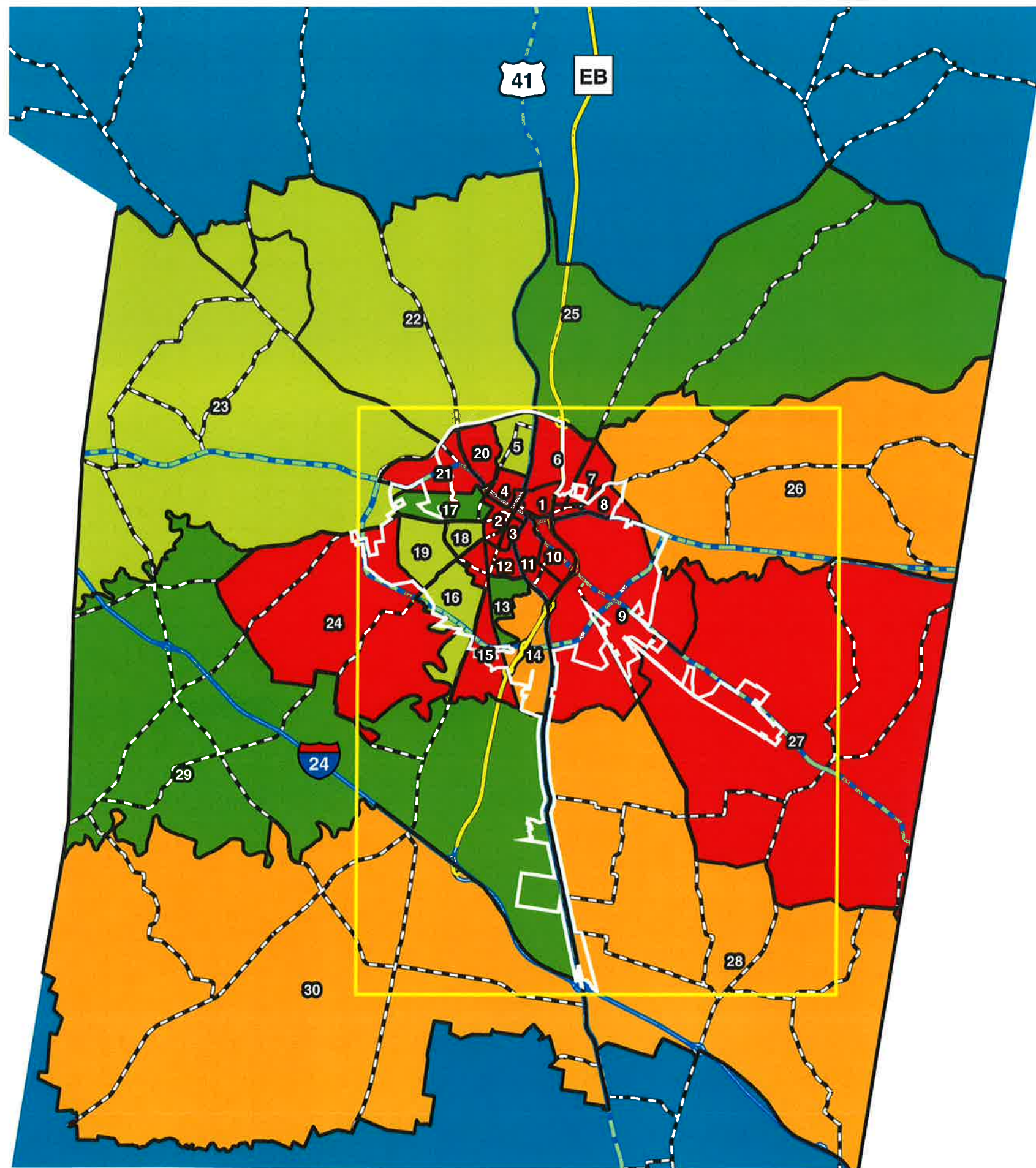
As described in the Census Data tables in Appendix B, the percentage of persons below the poverty level in the United States is 12.05 percent, which is just below Kentucky's 15.37 percent. The Christian County poverty percentage is 13.75 percent, which is slightly higher than the national percentage and slightly lower than the state percentage..

As shown in *Exhibit 4* eleven (11) of the thirty (30) BlockGroups (BG's) in the study area had a higher percentage of persons below poverty than the state threshold. This BG with the highest percentage is CT 200300 BG 1 (38.30%). The remaining ten (10) BG's are listed in order from highest to lowest: CT 200100 BG 1 (38.86%), CT 200300 BG 2 (35.75%), CT 200200 BG 1 (34.64%), CT 200400 BG 2 (34.50%), CT 200300 BG 3 (29.93%), CT 200100 BG 3 (28.63%), CT 200400 BG 1 (27.93%), CT 200800 BG 2 (24.51%), CT 201200 BG 2 (22.46%), CT 200800 BG 1 (21.84%), These BG's can be seen in Appendix D, *Map D, Persons Below Poverty Level*.

7.0 STUDY FINDING: POPULATION BY PERSONS AGE 65 YEARS AND OLDER

As described in the Census Data Tables in Appendix B, the *Persons 65 and Over*, Percentages for the United States was 12.43 percent, which was about equal to the State of Kentucky with 12.49 percent. The Christian County percentage is 9.76 percent, which is slightly lower than the State and National percentage.

As shown in *Exhibit 5* six (6) of the thirty (30) BlockGroups (BG's) had a higher percentage of persons age 65 and older than the state threshold. This BG with the highest percentage is CT 200700 BG 2 (36.44%). The remaining five (5) BG's are listed in order from highest to lowest: CT 200700 BG 1 (34.39%), CT 200300 BG 3 (25.12%), and CT 200500 BG 2 (22%), CT 200500 BG 3 (19.37%), CT 200900 BG 2 (17.71%) These BG's can be seen in Appendix D, *Map B, Population 65 and Older*.



0 2.25 4.5 9 Miles

		Minority %
	Tract 200100	60.93%
1	Block Group 1	88.57%
2	Block Group 2	36.62%
3	Block Group 3	52.73%
	Tract 200200	40.22%
4	Block Group 1	56.32%
5	Block Group 2	9.52%
	Tract 200300	44.38%
6	Block Group 1	58.97%
7	Block Group 2	69.30%
8	Block Group 3	27.88%
9	Block Group 4	16.35%
	Tract 200400	79.52%
10	Block Group 1	59.83%
11	Block Group 2	94.75%
	Tract 200500	13.60%
12	Block Group 1	17.12%
13	Block Group 2	6.77%
14	Block Group 3	10.31%
	Tract 200600	11.67%
15	Block Group 1	15.16%
16	Block Group 2	8.04%
	Tract 200700	8.06%
17	Block Group 1	4.94%
18	Block Group 2	8.02%
19	Block Group 3	9.23%
	Tract 200800	52.50%
20	Block Group 1	48.29%
21	Block Group 2	62.98%
	Tract 200900	10.29%
22	Block Group 1	9.26%
23	Block Group 2	8.28%
24	Block Group 3	12.79%
	Tract 201200	8.45%
25	Block Group 1	5.42%
26	Block Group 2	12.12%
	Tract 201300	18.04%
27	Block Group 1	22.17%
28	Block Group 2	11.51%
	Tract 201400	7.16%
29	Block Group 1	2.06%
30	Block Group 2	11.08%

Exhibit 3 Hopkinsville Census Block Groups of Minority Population

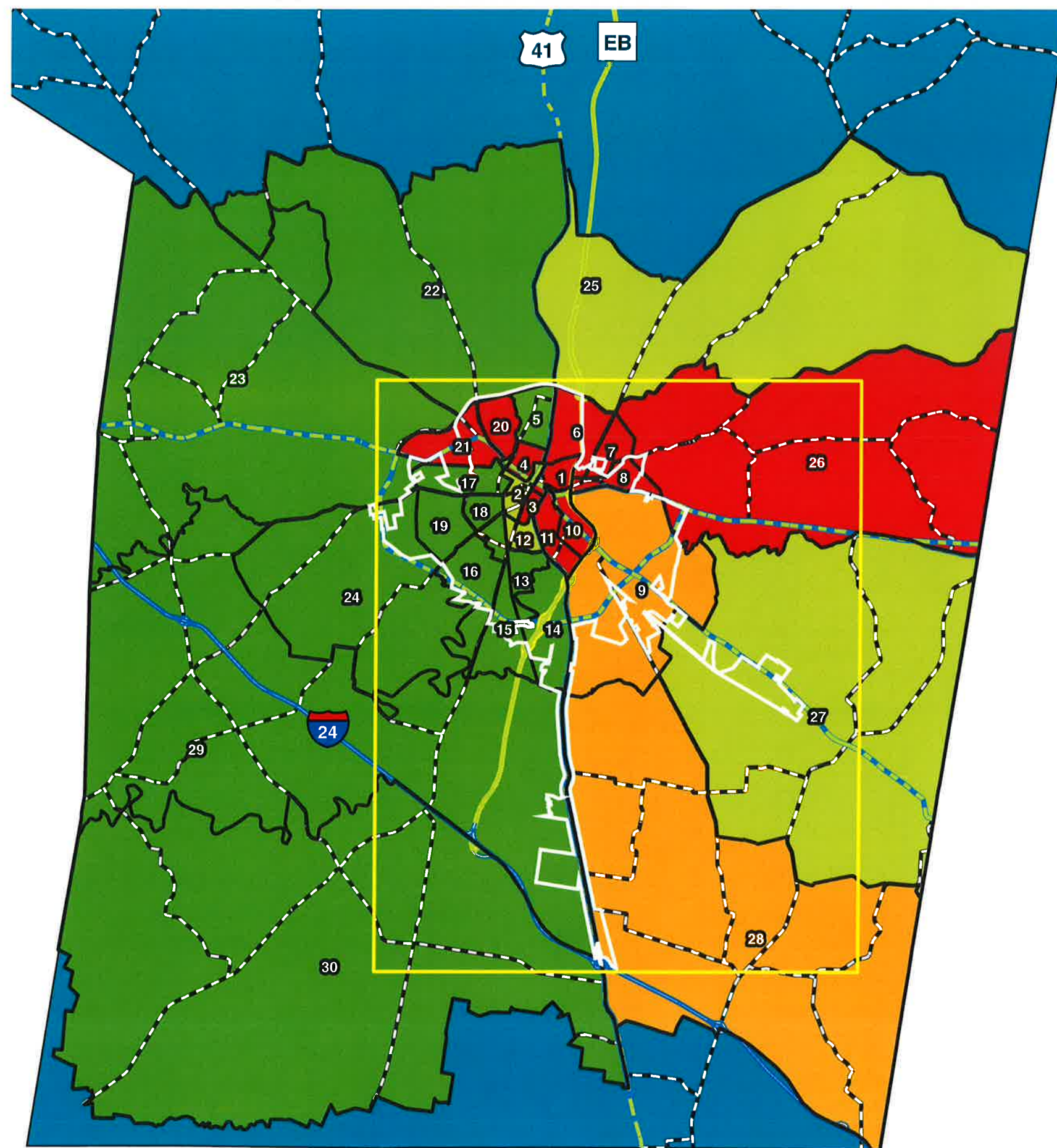


Legend

- Hopkinsville City Limits
- Hopkinsville Study Area
- Christian County
- Minority Population**
 - Significantly Below State Threshold
 - Just Below State Threshold
 - Just Above State Threshold
 - Significantly Above State Threshold
- Roads**
 - US
 - Interstate
 - Parkway
 - State

Note:
Block Groups were determined to be just "Above" or "Below" the state threshold if their percentages differed less than 25% from the state average. Block Groups that differed 25% or more were determined to be significantly "Above" or "Below" the state threshold.

Prepared by: James Smith
Pennyrite Area Development District
Date: July, 2012
File: O:\Workspace\Transportation



0 2.25 4.5 9 Miles

Exhibit 4
Hopkinsville Census Block Groups
of
Population Below Poverty Line



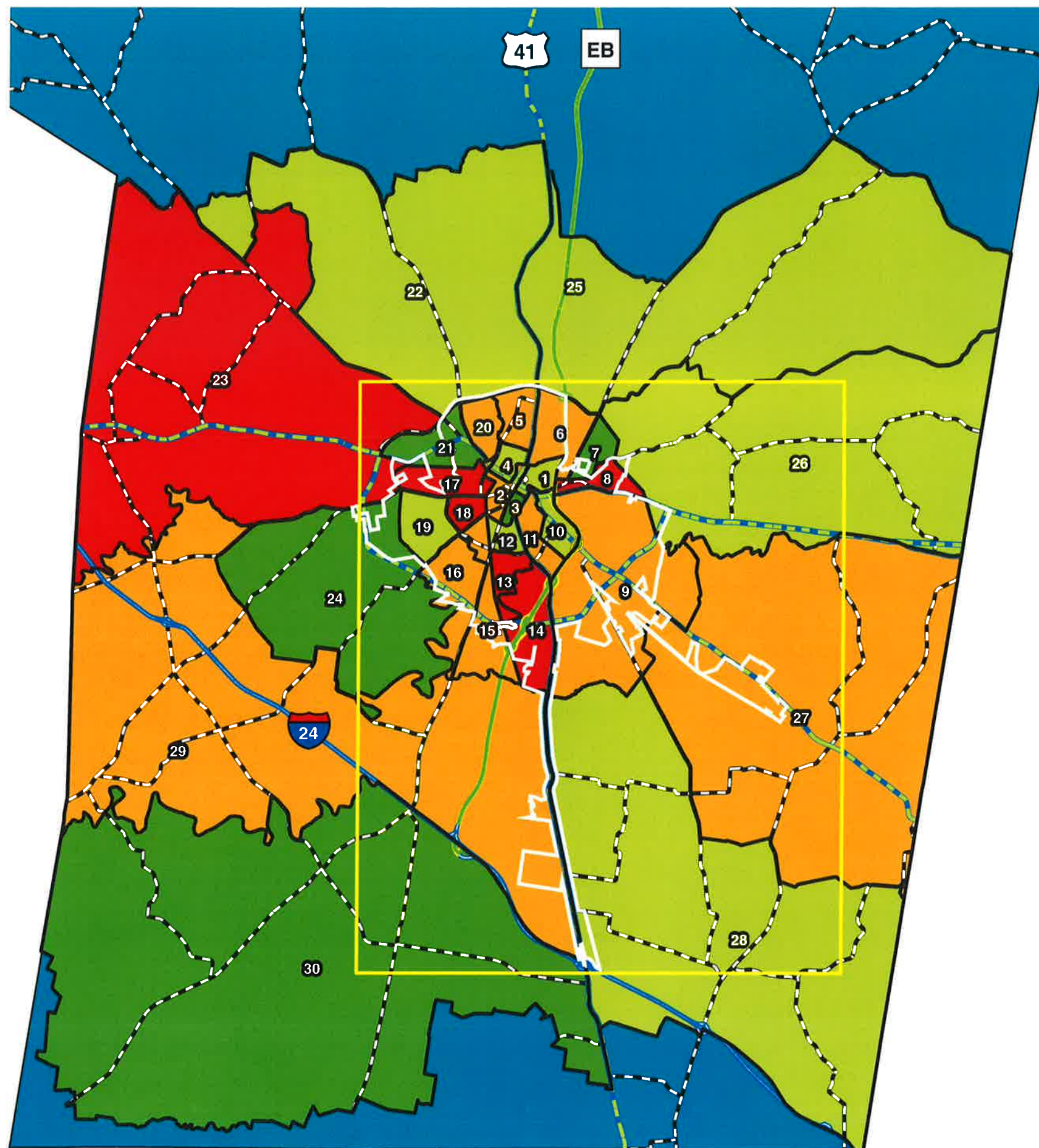
Legend

- Hopkinsville Study Area
- Hopkinsville City Limits
- Christian County
- Population Below Poverty Line**
- Significantly Below State Threshold
- Just Below State Threshold
- Just Above State Threshold
- Significantly Above State Threshold
- Roads**
- US
- Interstate
- Parkway
- State

Note:
 Block Groups were determined to be just "Above" or "Below" the state threshold if their percentages differed less than 25% from the state average. Block Groups that differed 25% or more were determined to be significantly "Above" or "Below" the state threshold.

		Persons Below Poverty Level (%)
	Tract 200100	26.32%
1	Block Group 1	36.86%
2	Block Group 2	13.88%
3	Block Group 3	28.63%
	Tract 200200	24.64%
4	Block Group 1	34.64%
5	Block Group 2	5.57%
	Tract 200300	29.46%
6	Block Group 1	38.30%
7	Block Group 2	35.75%
8	Block Group 3	29.93%
9	Block Group 4	15.68%
	Tract 200400	31.63%
10	Block Group 1	27.93%
11	Block Group 2	34.50%
	Tract 200500	9.16%
12	Block Group 1	12.22%
13	Block Group 2	8.46%
14	Block Group 3	1.64%
	Tract 200600	4.23%
15	Block Group 1	6.01%
16	Block Group 2	2.39%
	Tract 200700	5.06%
17	Block Group 1	6.32%
18	Block Group 2	7.40%
19	Block Group 3	2.81%
	Tract 200800	24.48%
20	Block Group 1	21.84%
21	Block Group 2	24.51%
	Tract 200900	6.07%
22	Block Group 1	10.97%
23	Block Group 2	2.31%
24	Block Group 3	4.35%
	Tract 201200	17.41%
25	Block Group 1	13.25%
26	Block Group 2	22.46%
	Tract 201300	14.70%
27	Block Group 1	14.19%
28	Block Group 2	15.50%
	Tract 201400	6.52%
29	Block Group 1	4.32%
30	Block Group 2	8.21%

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 Pennyville Area Development District
 Date: July, 2012
 File: O:\Workspace\Transportation



		Persons 65 and Over (%)
	Tract 200100	12.64%
1	Block Group 1	11.95%
2	Block Group 2	15.44%
3	Block Group 3	9.06%
	Tract 200200	12.25%
4	Block Group 1	11.16%
5	Block Group 2	14.32%
	Tract 200300	14.04%
6	Block Group 1	15.06%
7	Block Group 2	6.65%
8	Block Group 3	25.12%
9	Block Group 4	14.26%
	Tract 200400	13.03%
10	Block Group 1	11.62%
11	Block Group 2	14.11%
	Tract 200500	14.65%
12	Block Group 1	10.42%
13	Block Group 2	22.00%
14	Block Group 3	19.37%
	Tract 200600	13.39%
15	Block Group 1	12.54%
16	Block Group 2	14.27%
	Tract 200700	24.05%
17	Block Group 1	34.39%
18	Block Group 2	36.44%
19	Block Group 3	10.77%
	Tract 200800	11.33%
20	Block Group 1	12.81%
21	Block Group 2	7.51%
	Tract 200900	9.85%
22	Block Group 1	10.14%
23	Block Group 2	17.71%
24	Block Group 3	3.57%
	Tract 201200	12.23%
25	Block Group 1	12.45%
26	Block Group 2	11.96%
	Tract 201300	13.22%
27	Block Group 1	15.28%
28	Block Group 2	9.97%
	Tract 201400	11.77%
29	Block Group 1	15.23%
30	Block Group 2	9.12%

Exhibit 5 Hopkinsville Census Block Groups of Population 65 Years and Older



Legend

- Hopkinsville Study Area
- Hopkinsville City Limits
- Christian County

Population 65 And Older

- Significantly Below State Threshold
- Just Below State Threshold
- Just Above State Threshold
- Significantly Above State Threshold

Roads

- US
- Interstate
- Parkway
- State

Note:
Block Groups were determined to be just "Above" or "Below" the state threshold if their percentages differed less than 25% from the state average. Block Groups that differed 25% or more were determined to be significantly "Above" or "Below" the state threshold.

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Pennyrite Area Development District
Date: July, 2012
File: O:\Workspace\Transportation

8.0 STUDY FINDING: POPULATION BY DISABILITIES AGE 5 AND OVER

As described in the Census Data tables in Appendix B, the *Population By Disabilities Age 5 and Over* for the United States was 28.23 percent, which was lower than the State of Kentucky with 21.63 percent. The Christian County percentage is 17.97 percent, which is slightly lower than the State percentage.

As shown in *Exhibit 6* Of the thirty (30) BG's in the study area, 26 had a higher percentage of persons with disabilities age 5 and older than the state threshold. The BG with the highest percentage is CT 200100 BG 3 (65.71%). The remaining twenty-five (25) BG's are listed in order from highest to lowest: CT 200300 BG 2 (60.82%), CT 200400 BG 1 (57.18%), CT 200400 BG 2 (55.85%), CT 200100 BG 1 (53.98%), CT 200700 BG 2 (53.96%), CT 200100 BG 2 (50.81%), CT 201300 BG 1 (49.17%), CT 200300 BG 1 (48.88%), CT 200300 BG 3 (47.60%), CT 200300 BG 4 (47.43%), CT 200900 BG 2 (47.22%), CT 200200 BG 1 (46.78%), CT 200800 BG 1 (45.80%), CT 200800 BG 2 (44.80%), CT 200900 BG 1 (43.22%), CT 200200 BG 2 (41.60%), CT 201400 BG 2 (41.37%), CT 201200 BG 1 (39.76%), CT 201400 BG 1 (38.90%), CT 200700 BG 1 (37.94%), CT 201200 BG 2 (36.05%), CT 200500 BG 1 (35.61%), CT 200600 BG 1 (32.11%), CT 200500 BG 2 (31.03%), CT 200600 BG 2 (30.74%). These BG's can be seen in Appendix D, *Map C, Population by Disabilities Age 5 and Over*.

Exhibit 6
Hopkinsville Census Block Groups of
Persons with Disabilities



Legend

Hopkinsville Study Area

Hopkinsville City Limits

Christian County

Persons With Disabilities

Significantly Below State Threshold

Just Below State Threshold

Just Above State Threshold

Significantly Above State Threshold

Roads

US

Interstate

Parkway

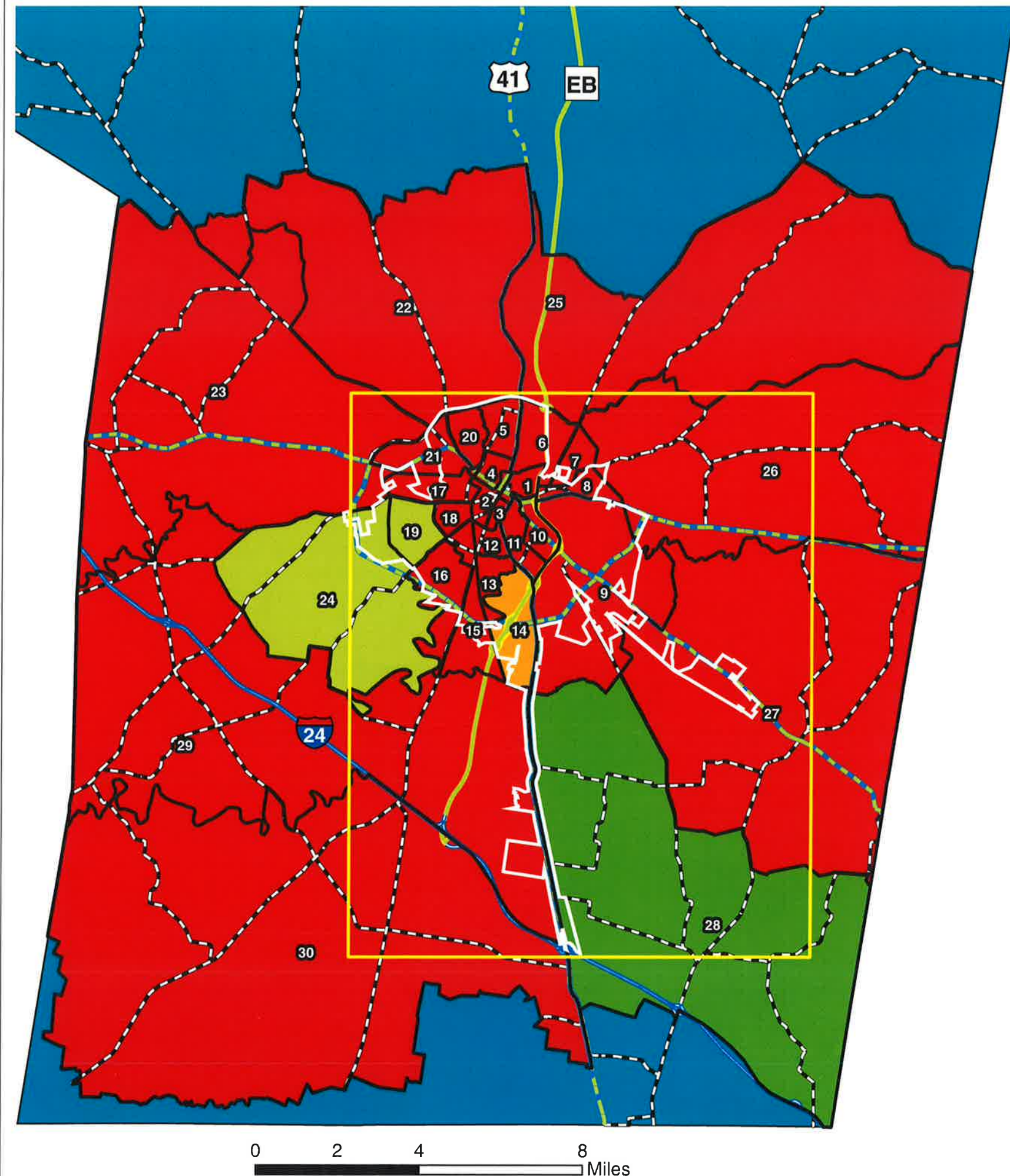
State

Note:

Block Groups were determined to be just "Above" or "Below" the state threshold if their percentages differed less than 25% from the state average. Block Groups that differed 25% or more were determined to be significantly "Above" or "Below" the state threshold.

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Pennyrite Area Development District
Date: July, 2012
File: O:\Workspace\Transportation

		Population by Disabilities Age 5 and Over (%)
	Tract 200100	55.36%
1	Block Group 1	53.98%
2	Block Group 2	50.81%
3	Block Group 3	65.71%
	Tract 200200	45.00%
4	Block Group 1	46.78%
5	Block Group 2	41.60%
	Tract 200300	52.43%
6	Block Group 1	48.88%
7	Block Group 2	60.82%
8	Block Group 3	47.60%
9	Block Group 4	47.43%
	Tract 200400	56.43%
10	Block Group 1	57.18%
11	Block Group 2	55.85%
	Tract 200500	32.56%
12	Block Group 1	35.61%
13	Block Group 2	31.03%
14	Block Group 3	25.79%
	Tract 200600	31.44%
15	Block Group 1	32.11%
16	Block Group 2	30.74%
	Tract 200700	34.66%
17	Block Group 1	37.94%
18	Block Group 2	53.96%
19	Block Group 3	18.69%
	Tract 200800	45.57%
20	Block Group 1	45.80%
21	Block Group 2	44.80%
	Tract 200900	35.81%
22	Block Group 1	43.22%
23	Block Group 2	47.22%
24	Block Group 3	20.15%
	Tract 201200	38.08%
25	Block Group 1	39.76%
26	Block Group 2	36.05%
	Tract 201300	35.20%
27	Block Group 1	49.17%
28	Block Group 2	13.15%
	Tract 201400	40.30%
29	Block Group 1	38.90%
30	Block Group 2	41.37%

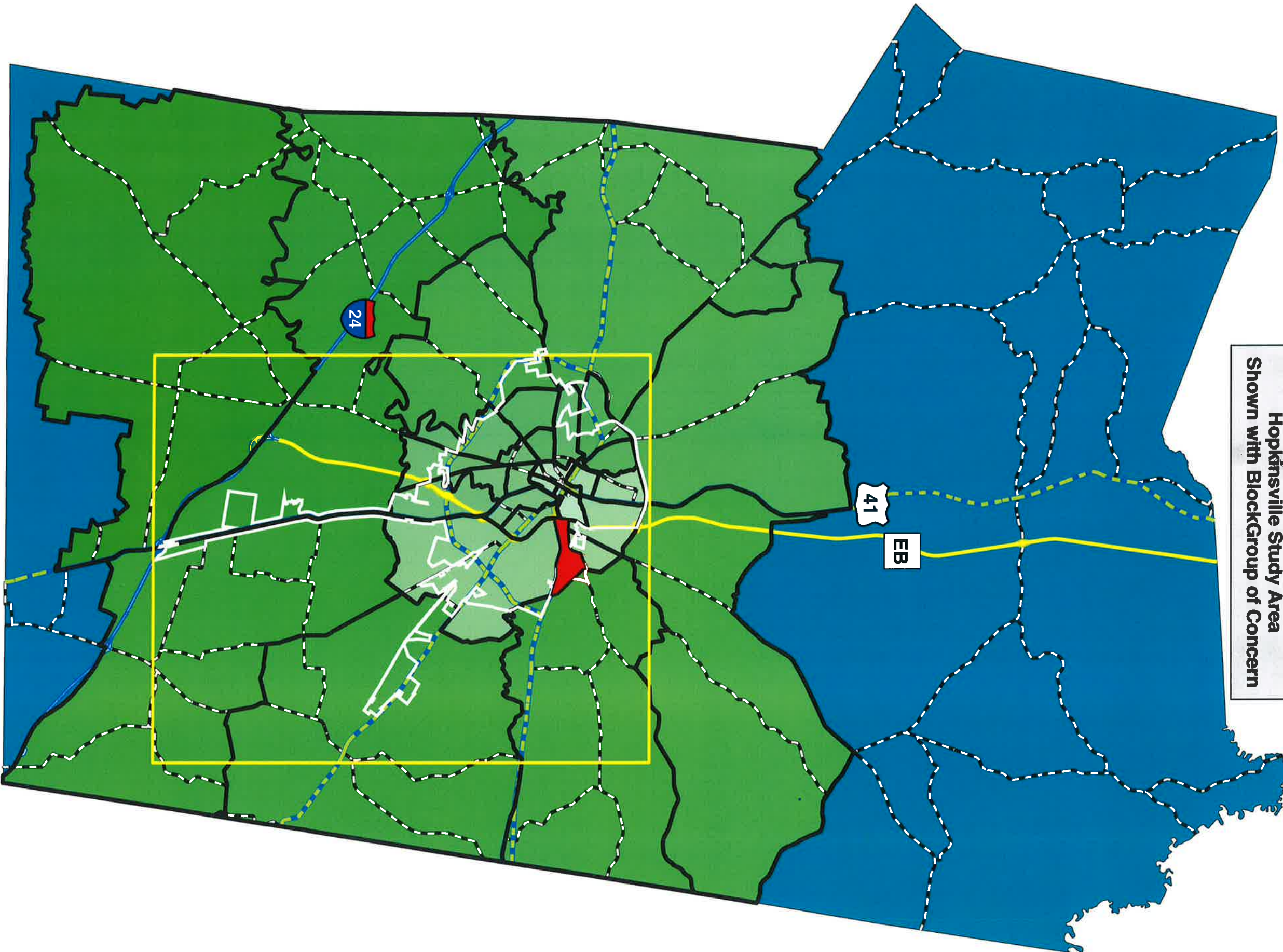


9.0 CONCLUSION

After the analysis of the study area, it became apparent that there are several BlockGroups that may require further evaluation depending on the scope of the projects planned within the study area. All BG's with higher percentages of the target populations compared to the State thresholds were described in the *Study Findings* section and also shown in Appendix D of this report and will not be re-addressed in this Conclusion Section. It should be noted that eleven (11) of the thirty (30) total BlockGroups within the study area were significantly above the state threshold in at least three of the four areas of interest.

As shown in *Exhibit 7* a single BlockGroup was identified as being an area of concern. BlockGroup 3 within Census Tract 200300 is significantly above the state threshold in all four categories of interest, See inset map in *Exhibit 8*. Special consideration will be needed when evaluating this area for any future project development.

Exhibit 7
Hopkinsville Study Area
Shown with BlockGroup of Concern



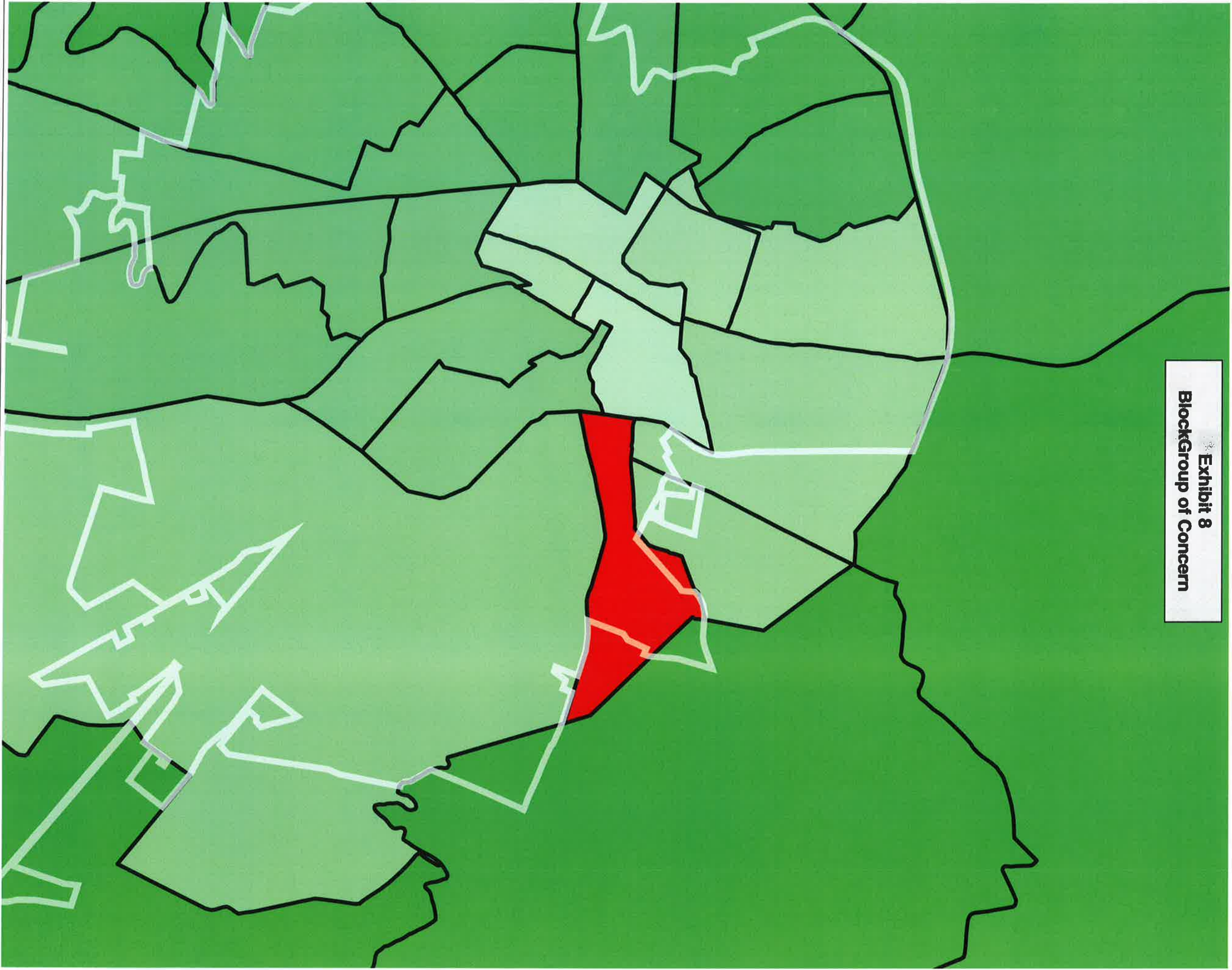
Legend

- BlockGroups
- BlockGroup of Concern
- Hopkinsville Study Area
- Christian County
- Hopkinsville City Limits




Roads

- US
- Interstate
- Parkway
- State

Exhibit 8
BlockGroup of Concern



Legend

-  BlockGroup of Concern
-  BlockGroups
-  Hopkinsville City Limits



Appendix A

Methodology for Assessing Potential Environmental Justice Concerns for KYTC Planning Studies

Updated: February 1, 2002

The demographics of the affected area should be defined using U.S. Census data (Census tracts and block groups) and the percentages for minorities, low-income, elderly, or disabled populations should be compared to those for the following:

- Other nearby Census tracts and block groups,
- The county as a whole,
- The entire state, and
- The United States.

Information from PVA offices, social service agencies, local health organizations, local public agencies, and community action agencies can be used to supplement the Census data. Specifically, we are interested in obtaining the following information:

- Identification of community leaders or other contacts who may be able to represent these population groups and through which coordination efforts can be made.
- Comparison of the Census tracts and block groups encompassing the project area to other nearby Census tracts and block groups, county, state, and United States percentages.
- Locations of specific or identified minority, low-income, elderly, or disabled population groups within or near the project area. This may require some field reviews and/or discussions with knowledgeable persons to identify locations of public housing, minority communities, ethnic communities, etc., to verify Census data or identify changes that may have occurred since the last Census. Examples would be changes due to new residential developments in the area or increases in Asian and/or Hispanic populations.
- Concentrations or communities that share a common religious, cultural, ethnic, or other background, e.g., Amish communities.
- Communities or neighborhoods that exhibit a high degree of community cohesion or interaction and the ability to mobilize community actions at the start of community involvement.
- Concentrations of common employment, religious centers, and/or educational institutions with members within walking distance of facilities.
- Potential effects, both positive and negative, of the project on the affected groups as compared to the non-target groups. This may include, but are not limited to:
 1. Access to services, employment or transportation.
 2. Displacement of persons, businesses, farms, or non-profit organizations.
 3. Disruption of community cohesion or vitality.
 4. Effects to human health and/or safety.

- Possible methods to minimize or avoid impacts on the target population groups.

If percentages of these populations are elevated within the project area, it should be brought to the attention of the Division of Planning immediately so that coordination with affected populations may be conducted to determine the affected population's concerns and comments on the project. Also, with this effort, representatives of minority, elderly, low-income, or disabled populations should be identified so that, together, we can build a partnership for the region that may be incorporated into other projects. Also, we hope to build a Commonwealth-wide database of contacts. We are available to participate in any meetings with these affected populations or with their community leaders or representatives.

In identifying communities, agencies may consider as a community either a group of individuals living in geographic proximity to one another, or a geographically dispersed/transient set of individuals (such as migrant workers or Native Americans), where either type of group experiences common conditions of environmental exposure or effect. The selection of the appropriate unit of analysis may be a governing body's jurisdiction, a neighborhood, census tract, or other similar unit that is to be chosen so as not to artificially dilute or inflate the affected population. A target population also exists if there is (1) more than one minority or other group present and (2) the percentages, as calculated by aggregating all minority persons, exceed that of the general population or other appropriate unit of geographic analysis.

Maps should be included that show the Census tracts and block groups included in the analysis as well as the relation of the project area to those Census tracts and block groups.

Appendix B

Table 1

	Total	Some other race alone	Some other race alone (%)	Two or more races	Two or more races (%)	Total Minority	Minority %	Persons 65 and Over	Persons 65 and Over (%)	Population by Disabilities Age 5 and Over	Population by Disabilities Age 5 and Over (%)	Persons Below Poverty Level	Persons Below Poverty Level (%)
United States	281,421,906	15,359,073	5.46%	6,826,228	2.43%	69,961,280	24.86%	34,991,753	12.43%	81,142,962	28.83%	33,899,812	12.05%
Kentucky	4,041,770	31,805	0.79%	42,443	1.05%	400,881	9.92%	504,793	12.49%	874,156	21.63%	621,096	15.37%
Christian Co.	72,265	1,613	2.23%	1,711	2.37%	21,736	30.08%	7,053	9.76%	12,987	17.97%	9,935	13.75%
Tract 200100	4,400	24	0.55%	75	1.70%	2681	60.93%	556	12.64%	2436	55.36%	1158	26.32%
Block Group 1	1758	4	0.23%	36	2.05%	1557	88.57%	210	11.95%	949	53.98%	648	36.86%
Block Group 2	1671	20	1.20%	39	2.33%	612	36.62%	258	15.44%	849	50.81%	232	13.88%
Block Group 3	971	0	0.00%	0	0.00%	512	52.73%	88	9.06%	638	65.71%	278	28.63%
Tract 200200	3389	11	0.32%	21	0.62%	1363	40.22%	415	12.25%	1525	45.00%	835	24.64%
Block Group 1	2223	4	0.18%	21	0.94%	1252	56.32%	248	11.16%	1040	46.78%	770	34.64%
Block Group 2	1166	7	0.60%	0	0.00%	111	9.52%	167	14.32%	485	41.60%	65	5.57%
Tract 200300	3876	0	0.00%	71	1.83%	1720	44.38%	544	14.04%	2032	52.43%	1142	29.46%
Block Group 1	624	0	0.00%	6	0.96%	368	58.97%	94	15.06%	305	48.88%	239	38.30%
Block Group 2	1368	0	0.00%	42	3.07%	948	69.30%	91	6.65%	832	60.82%	489	35.75%
Block Group 3	832	0	0.00%	0	0.00%	232	27.88%	209	25.12%	396	47.60%	249	29.93%
Block Group 4	1052	0	0.00%	23	2.19%	172	16.35%	150	14.26%	499	47.43%	165	15.68%
Tract 200400	2940	13	0.44%	84	2.86%	2338	79.52%	383	13.03%	1659	56.43%	930	31.63%
Block Group 1	1282	13	1.01%	47	3.67%	767	59.83%	149	11.62%	733	57.18%	358	27.93%
Block Group 2	1658	0	0.00%	37	2.23%	1571	94.75%	234	14.11%	926	55.85%	572	34.50%
Tract 200500	3624	33	0.91%	54	1.49%	493	13.60%	531	14.65%	1180	32.56%	332	9.16%
Block Group 1	2120	33	1.56%	40	1.89%	363	17.12%	221	10.42%	755	35.61%	259	12.22%
Block Group 2	709	0	0.00%	14	1.97%	48	6.77%	156	22.00%	220	31.03%	60	8.46%
Block Group 3	795	0	0.00%	0	0.00%	82	10.31%	154	19.37%	205	25.79%	13	1.64%
Tract 200600	4183	14	0.33%	41	0.98%	488	11.67%	560	13.39%	1315	31.44%	177	4.23%
Block Group 1	2130	14	0.66%	34	1.60%	323	15.16%	267	12.54%	684	32.11%	128	6.01%
Block Group 2	2053	0	0.00%	7	0.34%	165	8.04%	293	14.27%	631	30.74%	49	2.39%
Tract 200700	5846	60	1.03%	12	0.21%	471	8.06%	1406	24.05%	2026	34.66%	296	5.06%
Block Group 1	1012	0	0.00%	0	0.00%	50	4.94%	348	34.39%	384	37.94%	64	6.32%
Block Group 2	2094	0	0.00%	0	0.00%	168	8.02%	763	36.44%	1130	53.96%	155	7.40%
Block Group 3	2740	60	2.19%	12	0.44%	253	9.23%	295	10.77%	512	18.69%	77	2.81%
Tract 200800	2684	0	0.00%	58	2.16%	1409	52.50%	304	11.33%	1223	45.57%	657	24.48%
Block Group 1	1928	0	0.00%	13	0.67%	931	48.29%	247	12.81%	883	45.80%	421	21.84%
Block Group 2	759	0	0.00%	45	5.93%	478	62.98%	57	7.51%	340	44.80%	186	24.51%
Tract 200900	5219	8	0.15%	119	2.28%	537	10.29%	514	9.85%	1869	35.81%	317	6.07%
Block Group 1	1814	0	0.00%	13	0.72%	168	9.26%	184	10.14%	784	43.22%	199	10.97%
Block Group 2	1474	0	0.00%	44	2.99%	122	8.28%	261	17.71%	696	47.22%	34	2.31%
Block Group 3	1931	8	0.41%	62	3.21%	247	12.79%	69	3.57%	389	20.15%	84	4.35%
Tract 201200	2723	5	0.18%	25	0.92%	230	8.45%	333	12.23%	1037	38.08%	474	17.41%
Block Group 1	1494	5	0.33%	25	1.67%	81	5.42%	186	12.45%	594	39.76%	198	13.25%
Block Group 2	1229	0	0.00%	0	0.00%	149	12.12%	147	11.96%	443	36.05%	276	22.46%
Tract 201300	2844	54	1.90%	36	1.27%	513	18.04%	376	13.22%	1001	35.20%	418	14.70%
Block Group 1	1741	2	0.11%	36	2.07%	386	22.17%	266	15.28%	856	49.17%	247	14.19%
Block Group 2	1103	52	4.71%	0	0.00%	127	11.51%	110	9.97%	145	13.15%	171	15.50%
Tract 201400	2345	7	0.30%	53	2.26%	168	7.16%	276	11.77%	945	40.30%	153	6.52%
Block Group 1	1018	0	0.00%	13	1.28%	21	2.06%	155	15.23%	396	38.90%	44	4.32%
Block Group 2	1327	7	0.53%	40	3.01%	147	11.08%	121	9.12%	549	41.37%	109	8.21%

Table 2

	Total	White Alone	White Alone (%)	Black or African American alone	Black or African American alone (%)	Hispanic or Latino Origin	Hispanic or Latino Origin (%)	American Indian and Alaska Native alone	American Indian and Alaska Native alone (%)	Asian alone	Asian alone (%)	Native Hawaiian and other Pacific Islander alone	Native Hawaiian and other Pacific Islander alone (%)
United States	281,421,906	211,460,626	75.14%	34,658,190	12.32%	35,305,818	12.55%	2,475,956	0.88%	10,242,998	3.64%	398,835	0.14%
Kentucky	4,041,770	3,640,889	90.08%	295,994	7.32%	59,939	1.48%	8,616	0.21%	29,744	0.74%	1,460	0.04%
Christian Co.	72,265	50,529	69.92%	17,148	23.73%	3,494	4.83%	376	0.52%	660	0.91%	228	0.32%
Tract 200100	4,400	1,719	39.07%	2,573	58.48%	39	0.89%	9	0.20%	0	0.00%	0	0.00%
Block Group 1	1758	201	11.43%	1517	86.29%	19	1.08%	0	0.00%	0	0.00%	0	0.00%
Block Group 2	1671	1,059	63.38%	553	33.09%	20	1.20%	0	0.00%	0	0.00%	0	0.00%
Block Group 3	971	459	47.27%	503	51.80%	0	0.00%	9	0.93%	0	0.00%	0	0.00%
Tract 200200	3389	2,026	59.78%	1,279	37.74%	25	0.74%	34	1.00%	18	0.53%	0	0.00%
Block Group 1	2223	971	43.68%	1217	54.75%	10	0.45%	0	0.00%	10	0.45%	0	0.00%
Block Group 2	1166	1055	90.48%	62	5.32%	15	1.29%	34	2.92%	8	0.69%	0	0.00%
Tract 200300	3876	2,156	55.62%	1,641	42.34%	13	0.34%	0	0.00%	8	0.21%	0	0.00%
Block Group 1	624	256	41.03%	362	58.01%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Block Group 2	1368	420	30.70%	898	65.64%	0	0.00%	0	0.00%	8	0.58%	0	0.00%
Block Group 3	832	600	72.12%	232	27.88%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Block Group 4	1052	880	83.65%	149	14.16%	13	1.24%	0	0.00%	0	0.00%	0	0.00%
Tract 200400	2940	602	20.48%	2,237	76.09%	49	1.67%	0	0.00%	4	0.14%	0	0.00%
Block Group 1	1282	515	40.17%	703	54.84%	49	3.82%	0	0.00%	4	0.31%	0	0.00%
Block Group 2	1658	87	5.25%	1534	92.52%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Tract 200500	3624	3,131	86.40%	380	10.49%	134	3.70%	18	0.50%	8	0.22%	0	0.00%
Block Group 1	2120	1757	82.88%	272	12.83%	120	5.66%	18	0.85%	0	0.00%	0	0.00%
Block Group 2	709	661	93.23%	26	3.67%	14	1.97%	0	0.00%	8	1.13%	0	0.00%
Block Group 3	795	713	89.69%	82	10.31%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Tract 200600	4183	3,695	88.33%	287	6.86%	66	1.58%	15	0.36%	131	3.13%	0	0.00%
Block Group 1	2130	1807	84.84%	275	12.91%	66	3.10%	0	0.00%	0	0.00%	0	0.00%
Block Group 2	2053	1888	91.96%	12	0.58%	0	0.00%	15	0.73%	131	6.38%	0	0.00%
Tract 200700	5846	5,375	91.94%	366	6.26%	79	1.35%	8	0.14%	25	0.43%	0	0.00%
Block Group 1	1012	962	95.06%	50	4.94%	6	0.59%	0	0.00%	0	0.00%	0	0.00%
Block Group 2	2094	1926	91.98%	160	7.64%	13	0.62%	8	0.38%	0	0.00%	0	0.00%
Block Group 3	2740	2487	90.77%	156	5.69%	60	2.19%	0	0.00%	25	0.91%	0	0.00%
Tract 200800	2684	1275	47.50%	1299	48.40%	17	0.63%	6	0.22%	14	0.52%	32	1.19%
Block Group 1	1928	994	51.56%	912	47.30%	17	0.88%	6	0.31%	0	0.00%	0	0.00%
Block Group 2	759	281	37.02%	387	50.99%	0	0.00%	0	0.00%	14	1.84%	32	4.22%
Tract 200900	5219	4682	89.71%	300	5.75%	58	1.11%	8	0.15%	84	1.61%	18	0.34%
Block Group 1	1814	1646	90.74%	155	8.54%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Block Group 2	1474	1352	91.72%	42	2.85%	0	0.00%	8	0.54%	28	1.90%	0	0.00%
Block Group 3	1931	1684	87.21%	103	5.33%	58	3.00%	0	0.00%	56	2.90%	18	0.93%
Tract 201200	2723	2493	91.55%	180	6.61%	0	0.00%	0	0.00%	20	0.73%	0	0.00%
Block Group 1	1494	1413	94.58%	51	3.41%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
Block Group 2	1229	1080	87.88%	129	10.50%	0	0.00%	0	0.00%	20	1.63%	0	0.00%
Tract 201300	2844	2331	81.96%	394	13.85%	72	2.53%	29	1.02%	0	0.00%	0	0.00%
Block Group 1	1741	1355	77.83%	348	19.99%	20	1.15%	0	0.00%	0	0.00%	0	0.00%
Block Group 2	1103	976	88.49%	46	4.17%	52	4.71%	29	2.63%	0	0.00%	0	0.00%
Tract 201400	2345	2177	92.84%	108	4.61%	17	0.72%	0	0.00%	0	0.00%	0	0.00%
Block Group 1	1018	997	97.94%	8	0.79%	4	0.39%	0	0.00%	0	0.00%	0	0.00%
Block Group 2	1327	1180	88.92%	100	7.54%	13	0.98%	0	0.00%	0	0.00%	0	0.00%

Appendix C

Analysis Ranges Explanation and Methodology

The Kentucky State percentages are used as a reference threshold in each of the census data categories utilized for this report. Areas that are up to 25% higher than the reference threshold are considered just above the threshold, and areas that are 25% or higher are considered significantly above the threshold.

PERCENT MINORITY

<u>Analysis Range</u>	<u>Percent Minority</u>
Significantly Above Threshold	> 12.4%
Just Above Threshold	9.92% - 12.3%
REFERENCE THRESHOLD (Kentucky State)	9.92%
Just Below Threshold	7.43% - 9.92%
Significantly Below Threshold	< 7.44%

PERCENT 65 AND OLDER

<u>Analysis Range</u>	<u>Percent 65 and Older</u>
Significantly Above Threshold	> 15.61%
Just Above Threshold	12.49% - 15.60%
REFERENCE THRESHOLD (Kentucky State)	12.49%
Just Below Threshold	9.36% - 12.49%
Significantly Below Threshold	< 9.37%

PERCENT DISABLED

<u>Analysis Range</u>	<u>Percent Disabled</u>
Significantly Above Threshold	> 27.04%
Just Above Threshold	21.63% - 27.03%
REFERENCE THRESHOLD (Kentucky State)	21.63%
Just Below Threshold	16.21% - 21.63%
Significantly Below Threshold	< 16.22%

PERCENT BELOW POVERTY

<u>Analysis Range</u>	<u>Percent Below Poverty</u>
Significantly Above Threshold	> 19.20%
Just Above Threshold	15.37% - 19.20%
REFERENCE THRESHOLD (Kentucky State)	15.37%
Just Below Threshold	11.52% - 15.37%
Significantly Below Threshold	< 11.53%



APPENDIX D

Meeting Summaries

Meeting Summary

TO: Jill Asher, P.E.
Central Office Division of Planning
Kentucky Transportation Cabinet

FROM: Brian Aldridge, P.E.
Project Manager
ENTRAN, PLC

DATE: May 30, 2012

SUBJECT: Statewide Corridor Planning Letter Agreement #5
Hopkinsville Small Urban Area Study (SUA)
Project Kickoff Meeting

The kickoff meeting for the Hopkinsville Small Urban Area Study (SUA) was held on May 18, 2012 at 10:00 a.m. CDT in the District 2 conference room in Madisonville. The following individuals were in attendance:

Jill Asher	KYTC – Central Office Planning
Everett Green	KYTC – District 2 Design
Nick Hall	KYTC – District 2 Planning
Tonya Higdon	KYTC – Central Office Planning
Kevin McClearn	KYTC – District 2 CDE
Craig Morris	Pennyrile Area Development District
Steve Ross	KYTC – Central Office Planning
Brian Aldridge	Stantec Consulting Services Inc.
Tom Creasey	Stantec Consulting Services Inc.
Bob Flener	Stantec Consulting Services Inc.

Jill Asher welcomed everyone to the meeting and turned it over to Brian Aldridge who delivered a brief presentation on the study. He said the Hopkinsville SUA will identify and examine transportation issues within and surrounding Hopkinsville and develop three classes of improvement projects. These include short-term (i.e. “spot”) improvements, long-term projects, and local street improvements/strategies. The local street projects would not be implemented by the KYTC but would be passed on to local officials for consideration.

There is a multitude of projects on the Unscheduled Needs List (UNL) within the study area, and District 2 is looking for an evaluation of the transportation needs of the community as well as a non-biased opinion on the need for the UPL projects. There are only two projects on the 2010 Six Year Plan (SYP), and Brian noted the recently enacted 2012 Highway Plan was not yet available to the public. Steve Ross noted the KYTC was to make the plan available very soon. Kevin McClearn noted a study to examine the feasibility of a

new connector between KY 107 and the I-24 interchange with the Breathitt Parkway (KYTC Item No. 2-8702) is included in the plan.

The study area was described as follows:

- I-24 / US 41A to the south
- Breathitt Parkway / KY 1682 to the north
- US 68 Bypass to the west
- City of Pembroke to the east

Maps depicting the existing conditions of the study area were provided as handouts and were discussed by the Project Team. These included roadway functional class, posted speed limits, lane and shoulder widths, median widths and types, and truck routes. At-grade and grade-separated rail crossings were also shown and Brian mentioned there are numerous, unused grade crossings in Hopkinsville that could be candidates for removal.

The crash history for study area roadways was discussed. Roadways with critical crash rate factors (CRF's) greater than 1.0 were highlighted on a map. These roadways with higher-than-average crash rates are primarily inside the Hopkinsville bypass. Brian said the segment crash analyses are complete and Stantec is working on the spot analyses to evaluate intersections.

The existing traffic volumes and volume-to-service flow (VSF) ratios were presented to the Project Team. There are no study area roadways with VSF greater than 1.0, suggesting congestion is not a significant concern. That is not to say there are not pockets of congestion during the peak hours, but overall it does not appear that roadway capacity is a significant concern in Hopkinsville. The only roadway segments with a VSF value approaching 1.0 are on KY 380 (Country Club Road) and KY 272 (Canton Street). Stantec has requested a copy of the Christian County travel demand model and will use it to develop No-Build traffic forecasts for the study.

Work on the Environmental Footprint is underway. This will primarily involve records searches and database reviews given the size of the study area.

Public involvement for the study was discussed. There are to be three Project Development Team (PDT) meetings and three Advisory Committee meetings. The KYTC will work with the Pennyrite ADD to develop a list of invitees for the Advisory Committee. The Project Team intends to hold the first Advisory Committee meeting (to discuss existing conditions and to identify study goals and issues) around the end of June or early July. The meeting was later scheduled for July 10.

Brian concluded the presentation with Stantec's next steps. He said work will continue on the existing conditions inventory, developing traffic forecasts, and preparing the environmental footprint. These efforts will all provide input into the investigation of improvement alternatives. Brian discussed some conceptual improvement alternatives that

Stantec has explored through site visits and investigation of available GIS data. These concepts are summarized below.

Example Improvement Project Concepts

- US 41 Southeast – This section has four travel lanes with a paved, 20-foot wide traversable median. Possible concepts for consideration include a road diet (restriping to two lanes with a center left turn lane) with bicycle lanes or providing a five-lane section with a defined center left turn lane.
- US 41 North – Immediately north of downtown, US 41 is four lanes with a narrow (less than six feet wide) median, but the median becomes wider (20 feet) to the north. This corridor would be another candidate for a road diet.
- US 41A – This commercial corridor suffers from access issues related to undefined driveways and commercial entrances. An access management study should be considered to evaluate improvement opportunities.
- KY 380 (Country Club Road) – This two-lane facility has narrow shoulders and carries a significant volume of traffic (about 14,000 vehicles per day based on a 2011 count). Depending on the future year traffic forecasts, a minor or major widening of the corridor should be considered.
- Intersection improvements – Three skewed or confusing intersections were discussed for possible reconfiguration.
 - US 41A at Walnut Street and 21st Street
 - KY 107 at KY 507 and Rozelle Avenue
 - KY 109 at Buttermilk Lane and Highpoint Drive
 - US 68/KY 80 at KY 91
- Railroad grade crossings – There are numerous abandoned grade crossings in Hopkinsville that are in various states of disrepair. Many of these would be candidates for removal.

Craig Morris added there are several new connector road projects on the UNL to address localized congestion issues. These concepts will most likely come up for discussion at the Advisory Committee meetings.

The meeting ended at approximately 11:30 a.m. CDT.

Meeting Summary

TO: Jill Asher, P.E.
Central Office Division of Planning
Kentucky Transportation Cabinet

FROM: Tom Creasey, P.E., Ph.D.
Transportation Planning Manager
Stantec Consulting Services Inc.

DATE: July 24, 2012

SUBJECT: Statewide Corridor Planning Letter Agreement #5
Hopkinsville Small Urban Area Study (SUA)
Advisory Committee Meeting #1

The first advisory committee meeting for the Hopkinsville Small Urban Area Study (SUA) was held on July 10, 2012 at 10:30 a.m. CDT in the Pennyriple Area Development District Office in Hopkinsville. The following individuals were in attendance:

Jill Asher	KYTC – Central Office Planning
Everett Green	KYTC – District 2 Design
Nick Hall	KYTC – District 2 Planning
Tonya Higdon	KYTC – Central Office Planning
Kevin McClearn	KYTC – District 2 Chief District Engineer
Craig Morris	Pennyriple Area Development District
James Smith	Pennyriple Area Development District
Steve Ross	KYTC – Central Office Planning
J.R. Ham	KYTC
Larry Benskin	Christian County Board of Education
Bailey Bennett	KYTC – District 2
John Mahre	Chairman, Pennyriple Area Development District
Mitch Robinson	Christian County Economic Development Council
Dave Herndon	Community and Development Services
Gary Johnson	Rogers Group
Scott Mayes	Hopkinsville Police Department
Carter Hendrick	Chamber of Commerce
Guy Howie	Hopkinsville Police Department
Fagan Pace	Hopkinsville Fire Department
Terry Rudd	Hopkinsville Public Works
Tom Creasey	Stantec Consulting Services Inc.
Bob Flener	Stantec Consulting Services Inc.

Nick Hall and Jill Asher welcomed everyone to the meeting and turned it over to Tom Creasey who delivered a brief presentation on the study. He said the Hopkinsville SUA will identify and examine transportation issues related to safety and congestion within and surrounding Hopkinsville and develop three classes of improvement projects. These include short-term (i.e. “spot”) improvements, long-term projects, and local street improvements/strategies. The local street projects would not be implemented by the KYTC but would be passed on to local officials for consideration.

There is a multitude of projects on the Unscheduled Needs List (UNL) within the study area, and District 2 is looking for an evaluation of the transportation needs of the community as well as a non-biased opinion on the need for the UPL projects. The recently enacted 2012 Highway Plan highlights several projects planned in the Hopkinsville area, including areas along KY 107, KY 1007, US 41A, and the Hopkinsville Northeast Bypass.

The study area was described as follows:

- I-24 / US 41A to the south
- Breathitt Parkway / KY 1682 to the north
- US 68 Bypass to the west
- City of Pembroke to the east

Maps depicting the existing conditions of the study area were provided as handouts and were discussed by the Project Team. These included roadway functional class, posted speed limits, lane and shoulder widths, median widths and types, and truck routes. At-grade and grade-separated rail crossings were also shown and Tom mentioned there are numerous, unused grade crossings in Hopkinsville that could be candidates for removal.

The crash history for study area roadways was discussed. Roadways with critical crash rate factors (CRF's) greater than 1.0 were highlighted on a map. These roadways with higher-than-average crash rates are primarily inside the Hopkinsville bypass. The segment crash analyses are complete and Stantec is working on the spot analyses to evaluate intersections.

The existing traffic volumes and volume-to-service flow (VSF) ratios were presented. There are no study area roadways with VSF greater than 1.0, suggesting congestion is not a significant concern. That is not to say there are not pockets of congestion during the peak hours, but overall it does not appear that roadway capacity is a significant concern in Hopkinsville. The only roadway segments with a VSF value approaching 1.0 are on KY 380 (Country Club Lane) and KY 272 (Canton Street). Stantec has requested a copy of the Christian County travel demand model and will use it to develop No-Build traffic forecasts for the study. Population projections for Christian County indicate minimal growth in population in the next forty years, which indicates little increase in traffic demand and supports projects related to system preservation rather than system expansion.

Work on the Environmental Footprint is underway. This will primarily involve records searches and database reviews given the size of the study area.

Public involvement for the study was discussed. There are to be three Project Development Team (PDT) meetings and, including today's meeting, three Advisory Committee meetings. No public meetings will be held to discuss the study.

Tom concluded the presentation with Stantec's next steps. He said work will continue on the existing conditions inventory, developing traffic forecasts, and preparing the environmental footprint. These efforts will all provide input into the investigation of improvement alternatives. Tom discussed some conceptual improvement alternatives that Stantec has explored through site visits and investigation of available GIS data. These concepts are summarized below.

Example Improvement Project Concepts

- US 41 Southeast – This section has four travel lanes with a paved, 20-foot wide traversable median. Possible concepts for consideration include a road diet (restriping to two lanes with a center left turn lane) with bicycle lanes or providing a five-lane section with a defined center left turn lane.
- US 41 North – Immediately north of downtown, US 41 is four lanes with a narrow (less than six feet wide) median, but the median becomes wider (20 feet) to the north. This corridor would be another candidate for a road diet.
- US 41A – This commercial corridor suffers from access issues related to undefined driveways and commercial entrances. An access management study should be considered to evaluate improvement opportunities.
- KY 380 (Country Club Lane) – This two-lane facility has narrow shoulders and carries a significant volume of traffic (about 14,000 vehicles per day based on a 2011 count). Depending on the future year traffic forecasts, a minor or major widening of the corridor should be considered.
- Intersection improvements – Three skewed or confusing intersections were discussed for possible reconfiguration.
 - US 41A at Walnut Street and 21st Street
 - KY 107 at KY 507 and Rozelle Avenue
 - KY 109 at Buttermilk Lane and Highpoint Drive
 - US 68/KY 80 at KY 91
- Railroad grade crossings – There are numerous abandoned grade crossings in Hopkinsville that are in various states of disrepair. Many of these would be candidates for removal.

Following the presentation, Tom invited the meeting attendees to divide into small groups and to indicate on a map the top three trouble spots in the area and spots where new or improved transportation corridors are needed. After deliberation, the groups shared trouble spots they had identified and possible solutions.

Noted Transportation Trouble Spots

- KY 1007 North Drive at West 7th Street Intersection –Due to congestion problems, a widening and extension of North Drive to the US 68B should be considered.
- KY 107 Lafayette Road –This facility has high traffic volumes, narrow lanes, and no shoulders. Major congestion problems may be lessened by widening the road.
- US 41 Main Street at 9th Street- intersection improvements are needed to relieve congestion.
- US 41A Fort Campbell Boulevard at Skyline Drive –this is a poor and confusing intersection for drivers.
- US 41A between US 68 By-Pass and Breathitt Parkway-this area was identified as a high accident section of roadway.
- KY 380 Country Club Lane –Narrow road cannot support volume of traffic, especially during rush hour. A widening of the road should be considered.
- KY 695 Cox Mill Road –Curves in the road present sight issues for drivers and unsafe conditions.

The meeting ended at approximately 11:45 a.m. CDT.

Meeting Summary

TO: Sreenu Gutti, P.E.
Central Office Division of Planning
Kentucky Transportation Cabinet

FROM: Brian Aldridge, P.E.
Project Manager
Stantec Consulting Services Inc.

DATE: November 21, 2012

SUBJECT: Statewide Corridor Planning Letter Agreement #5
Hopkinsville Small Urban Area Study (SUA)
Project Team Meeting

A Project Team meeting for the Hopkinsville Small Urban Area Study (SUA) was held on November 8, 2012 at 10:00 a.m. CST in the District 2 conference room in Madisonville. The following individuals were in attendance:

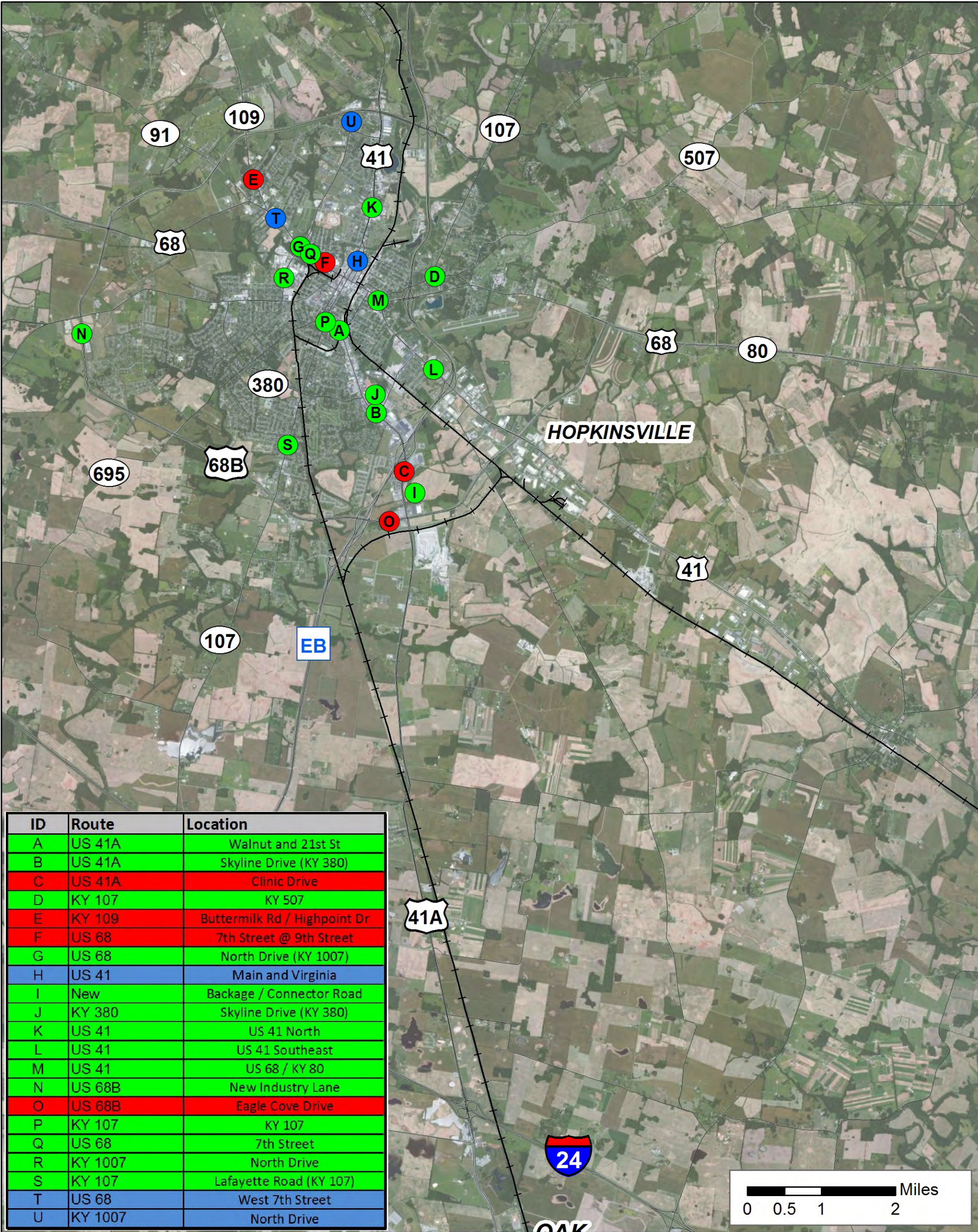
Everett Green	KYTC – District 2 Design
Sreenu Gutti	KYTC – Central Office Planning
Nick Hall	KYTC – District 2 Planning
Tonya Higdon	KYTC – Central Office Planning
Kevin McClearn	KYTC – District 2 CDE
Mikael Pelfrey	KYTC – Central Office Planning
Kenny Potts	KYTC – District 2
Brian Aldridge	Stantec Consulting Services Inc.
Bob Flener	Stantec Consulting Services Inc.
Bill Morris	Stantec Consulting Services Inc.

Nick Hall welcomed everyone to the meeting and turned it over to Brian Aldridge. Brian said the purpose of the meeting was to discuss progress made on the project since the combined Local Officials/Stakeholders meetings that were held in July and August. He went on to say that a number of project concepts would be presented for discussion, and ultimately a list of projects would be defined for presentation at the next Local Officials/Stakeholders meeting. The following items were discussed:

1. The Draft Environmental Overview was submitted in October. Electronic copies were provided at the meeting. The Pennyrile Area Development District (ADD) submitted a draft of the Environmental Justice (EJ) Overview in August.
2. Handouts were provided depicting the following:




- a. Natural and Human Environment from the Draft Environmental Overview
 - b. Levels of Service (LOS) for state-maintained roadways within the study area
 - c. Planned Improvement Projects from the 2012 Highway Plan
 - d. “Trouble Spots” identified by Local Officials and project Stakeholders
 - e. Conceptual Improvements (summary table and map)
3. Nineteen improvement concepts were presented and discussed. Brian noted many of the concepts were developed to address concerns raised by the local officials at the meetings in July and August, and nearly all the concepts are based on existing safety or congestion concerns. The attached table and figure depict these concepts and the outcome of the discussion from the meeting. The outcomes are summarized as follows:
 - a. Present to Local Officials – This concept was generally acceptable and will be presented at the next combined Local Officials/Stakeholders meeting.
 - b. Eliminated – This concept will not be pursued further. In some cases, the issues addressed by these concepts are being addressed by other KYTC projects. In other cases, the conceptual project is not warranted or the anticipated cost is greater than the benefit.
 - c. Added or Modified – These concepts were either added by the Project Team at the meeting or the scope of a proposed concept was modified.
4. Tonya Higdon suggested adding a column to the “Conceptual Improvement Alternatives” table to indicate whether each improvement was intended to be a short-term or a long-term project.
5. Nick Hall will work on scheduling the next Local Officials/Stakeholders meeting. Given the upcoming holidays, the Project Team agreed a meeting in January would likely be more desirable than December. The purpose of the meeting will be to present the conceptual improvement projects and to solicit input from the group on the prioritization for the improvements. This will be accomplished through a questionnaire/survey where each project will be ranked from 0 to 10, where 0 indicates the project should not be recommended to 10 where the project should be considered a very high priority. Brian said Stantec would develop a draft survey instrument and submit it for comments prior to the meeting.

The meeting ended at approximately 12:00 p.m. CST.



PRELIMINARY IMPROVEMENT CONCEPTS
PROJECT TEAM MEETING #2

Legend

-  Concept will be Presented to Local Officials/Stakeholders
-  Concept was Eliminated
-  Concept was Added or Modified

HOPKINSVILLE SMALL
URBAN AREA STUDY
CHRISTIAN COUNTY



Hopkinsville Small Urban Area Study

Conceptual Improvement Alternatives

ID	Route	Location	Description	Improvement Type	Short-Term or Long-Term	Approximate Construction cost	Project Team Recommendation
A	US 41A	Walnut and 21st St	Reconstruct intersection	Intersection Improvement	Long-Term	\$860,000	Present to Local Officials
B	US 41A	Skyline Drive (KY 380)	Add additional left turn lane on US 41 A to Skyline Drive (No Skyline realignment)	Intersection Improvement	Short-Term	\$155,000	Present to Local Officials
C	US 41A	Clinic Drive	Add additional left turn lane on US 41 A and additional lane on Clinic Drive. Rebuild Truss	Intersection Improvement		\$580,000	KYTC has plans to improve this intersection
D	KY 107	KY 507	Intersection realignment	Intersection Improvement	Short-Term	\$220,000	Present to Local Officials
E	KY 109	Buttermilk Rd / Highpoint Dr	Improve sight distance by removing earthwork	Intersection Improvement		\$15,000	Eliminated
F	US 68	7th Street @ 9th Street	Construct roundabout at intersection	Intersection Improvement		\$590,000	Eliminated
G	US 68	North Drive (KY 1007)	Add right turn lanes at North Drive intersection	Intersection Improvement	Short-Term	\$260,000	Present to Local Officials
H	US 41	Main Street and Virginia Street	Convert US 41 from one way to two way streets	Two-Way Conversion	Long-Term	\$1,820,000	Evaluate improvements for termination of one-way at south end
I	New	Backage / Connector Road	Construct new road from US 41A at Clinic Drive to By-Pass at Lowes Dr.	Access Management / New Route	Long-Term	\$1,860,000	Present to Local Officials
J	KY 380	Skyline Drive (KY 380)	Realign Skyline drive and US 41A intersection with Country Club Way	New Route / Realignment	Long-Term	\$3,250,000	Present to Local Officials
K	US 41	US 41 North	Conduct Access Management Study; consider removing median and improving US 41 north	Access Management	Long-Term	\$3,040,000	Present to Local Officials
L	US 41	US 41 (Southeast)	Perform pavement rehabilitation project; remove mountable median and add bike lanes to US 41 southeast	Access Management	Long-Term	\$3,340,000	Present to Local Officials
M	US 41	US 68 / KY 80	Reconstruct intersection	Intersection Improvement	Short-Term / Long-Term	\$720,000	Present to Local Officials
N	US 68B	New Industry Lane	Add left turn lanes to each direction of US 68B	Intersection Improvement	Short-Term	\$90,000	Present to Local Officials
O	US 68B	Eagle Cove Drive	Add eastbound left turn lane on US 68B	Intersection Improvement		\$50,000	KYTC has plans to improve this intersection
P	KY 107	KY 107	Add lane on KY 107 between 20th and 21st Street	Widening	Long-Term	\$370,000	Present to Local Officials
Q	US 68	7th Street	Resurface and stripe 7th street to three lanes between 9th and North Ave	Restriping	Short-Term	\$140,000	Present to Local Officials
R	KY 1007	North Drive	Widen North Drive from Canton St. to US 68/KY 80	Widening	Long-Term	\$1,590,000	Present to Local Officials
S	KY 107	Lafayette Road (KY 107)	Widen KY 107 from US 68B to KY 380	Widening	Long-Term	\$2,200,000	Present to Local Officials
T	US 68	West 7th Street	Widen US 68 from KY 91 to KY 1007	Widening	Long-Term	--	Added by Project Team
U	KY 1007	North Drive	Extend North Drive from KY 1007 (Sanderson Dr.) to the Hopkinsville Bypass	New Route / Extension	Long-Term	--	Added by Project Team

Meeting Summary

TO: Sreenu Gutti, P.E.
Central Office Division of Planning
Kentucky Transportation Cabinet

FROM: Tom Creasey, P.E., Ph.D.
Transportation Planning Manager
Stantec Consulting Services Inc.

DATE: January 14, 2013

SUBJECT: Statewide Corridor Planning Letter Agreement #5
Hopkinsville Small Urban Area Study (SUA)
Advisory Committee Meeting #2

The second advisory committee meeting for the Hopkinsville Small Urban Area Study (SUA) was held on January 4, 2013 at 11:00 a.m. CST in the Pennyriple Area Development District (ADD) Office in Hopkinsville. The following individuals were in attendance:

Eric Bleidt	Hopkinsville Fire
Keith Damron	KYTC – Central Office Planning
Sreenu Gutti	KYTC – Central Office Planning
Nick Hall	KYTC – District 2 Planning
Lori Harper	Rogers Group
Carter Hendricks	Chamber of Commerce
Guy Howie	Hopkinsville Police Department
Dan Kemp	City of Hopkinsville Mayor
Kevin McClearn	KYTC – District 2 Chief District Engineer
John Mahre	Christian County
Craig Morris	Pennyriple Area Development District (PADD)
Mikael Pelfrey	KYTC – Central Office Planning
Kenny Potts	KYTC – District 2
Steve Ross	KYTC – Central Office Planning
Chris Sutton	PADD
Steve Tribble	Christian County Judge Executive
Jason Vincent	PADD
Thomas Wolf	Hopkinsville Public Works
Brian Aldridge	Stantec Consulting Services Inc.
Bob Flener	Stantec Consulting Services Inc.

Nick Hall welcomed everyone to the meeting and turned it over to Brian Aldridge who delivered a brief presentation on the study. Brian said the purpose of the meeting was to discuss progress made on the project since the last Advisory Committee meeting in the summer of 2012. The Project Team has developed a number of project concepts that would be presented for discussion and the Advisory Committee would have the opportunity to rate each project to assist in determining the prioritization. It was stressed the improvements that would be discussed and were purely conceptual. The following items were discussed:

1. Handouts were provided depicting the following:
 - a. Levels of Service (LOS) for state-maintained roadways within the study area
 - b. Conceptual Improvements (map with summary table)
 - c. Conceptual Improvements Summary Table and Questionnaire
2. The 2012 Highway Plan includes 10 projects within the Hopkinsville SUA study area. These projects were briefly discussed, and Brian noted some of these projects would address concerns raised by the Advisory Committee at the last meeting. An example is the improvement planned along US 41A (KYTC Item No. 2-100.20) that will address the issues that exist at the Clinic Drive intersection and the entrance to Walmart.
3. Brian noted the study schedule will be extended to take advantage of a parallel effort that will update the Christian County Travel Demand Model (TDM). The existing version of the TDM was to be used to estimate the effects of the recommended plan that results from the Hopkinsville SUA. However, the KYTC has recently asked Stantec under its Statewide Travel Demand Modeling contract to update the model. In order to use the latest available tool the study will not be finalized until this summer.
4. Seventeen improvement concepts were presented and discussed. Brian noted many of the concepts were developed to address concerns raised by the local officials at the meetings last summer, and nearly all the concepts are based on existing safety or congestion concerns. Construction cost estimates were provided for each concept, and Brian indicated several could have significant right-of-way and utility costs.
5. The improvement concepts were categorized as follows:
 - a. Short-term: The short-term concepts are typically lower-cost projects that can be implemented in the near term. These types of improvements should require little or no right-of-way to construct and in some cases may be implemented by the KYTC Division of Maintenance.
 - b. Long-term: The long-term concepts are higher cost projects that will require more significant resources to implement. These types of improvements will require right-of-way to construct and will likely need to be funded through the KYTC Six Year Plan (SYP) process.



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- c. Local projects: The local projects are not located on the state-maintained system and would likely be funded by the City of Hopkinsville or Christian County.
6. Brian briefly presented each of the 17 improvement concepts and asked the Advisory Committee members to indicate their level of support for each by rating them from 0 to 10, where 0 indicates strong disapproval of the concept and 10 indicates strong support. The scoring process will assist the project team in determining the level of local support for each project so that project priorities can be established. Six comment sheets were submitted after the meeting. The concepts and the average scores from these comment sheets are summarized in the attachment.
7. There was some discussion concerning a reconsideration of improvements to KY 695 between the US 68B Bypass and KY 380 (Country Club Drive.) Brian indicated the Project Team would take another look at the corridor.

The meeting ended at approximately 12:30 p.m. CST.

Meeting Summary

TO: Sreenu Gutti, P.E.
Central Office Division of Planning
Kentucky Transportation Cabinet

FROM: Brian Aldridge, P.E.
Project Manager
Stantec Consulting Services Inc.

DATE: July 22, 2013

SUBJECT: Statewide Corridor Planning Letter Agreement #5
Hopkinsville Small Urban Area Study (SUA)
Project Team Meeting

A final Project Team meeting for the Hopkinsville Small Urban Area Study (SUA) was held on July 8, 2013 at 1:30 p.m. CDT in the District 2 conference room in Madisonville. The following individuals were in attendance:

Sreenu Gutti	KYTC – Central Office Planning (via videoconference)
Nick Hall	KYTC – District 2 Planning
Kevin McClearn	KYTC – District 2 CDE
Shane McKenzie	KYTC – Central Office Planning (via videoconference)
Jason Orange	KYTC – District 2 Design
Mikael Pelfrey	KYTC – Central Office Planning (via videoconference)
Steve Ross	KYTC – Central Office Planning (via videoconference)
John Rudd	KYTC – District 2 Design
Brian Aldridge	Stantec Consulting Services Inc.
Mark Butler	Stantec Consulting Services Inc.

Nick Hall welcomed everyone to the final meeting for the Hopkinsville SUA and turned it over to Brian Aldridge. Brian stated the purpose of the meeting was to discuss the recommended projects and how to best prioritize them in the final report. The following items were discussed:

1. A preliminary draft of the study report was submitted at the end of February. Sreenu Gutti has submitted comments on the preliminary draft report. District 2 has not yet submitted comments.
2. The project schedule was extended to coincide with the update to the Christian County Travel Demand Model. Mark Butler provided a brief overview of the model development process and discussed the socioeconomic data that are included in the current version of the model. The population in Christian County is projected to

increase from 73,900 in 2010 to 82,000 in 2040, an increase of 11 percent. Similarly the number of jobs (excluding Fort Campbell) is projected to increase from 24,300 to 27,000. The employment increase includes approximately 1,500 new jobs associated with the proposed I-24 Megaside between US 41A and KY 109 north of I-24.

3. A handout was provided depicting the base year (2010) and estimated future (2040) traffic volumes from the demand model.
4. Seventeen improvement concepts were presented and discussed. Brian noted many of the concepts were developed to address concerns raised by the local officials at the meetings in July and August of 2012, and nearly all the concepts are based on existing safety or congestion concerns.
5. The meeting attendees were asked to score each of the projects from 0 to 10, where 0 indicates strong disapproval of the concept and 10 indicates strong support. Brian indicated the results of the project team scoring will be averaged with the Advisory Committee's scores from the meeting in January to arrive at a final project score and priority. The attached table and figure depict these improvement concepts and the outcome of the discussion from the meeting.
6. Some projects were modified based on discussion at the meeting. These changes are as follows:
 - a. Project H, US 41 North – It was recommended that the proposed access management study be changed from long-term to short-term.
 - b. Project I, US 41 South – It was recommended that the proposed access management study be changed from long-term to short-term.
 - c. Project K, US 68B at New Industry Lane – The estimated construction cost was increased from \$75,000 to \$300,000.
 - d. Project O, KY 107 – The northern project limit for the widening of KY 107 was modified from KY 380 (Country Club Lane) to Gateway Lane, the southern end of an improvement project currently under design.
7. Nick Hall will work with District 2 to provide final project ratings. Brian said he would compute the average scores once those values were received and submit a preliminary prioritization for comment.

The meeting ended at approximately 3:45 p.m. CDT.



Hopkinsville Small Urban Area Study
Christian County
Conceptual Projects Questionnaire

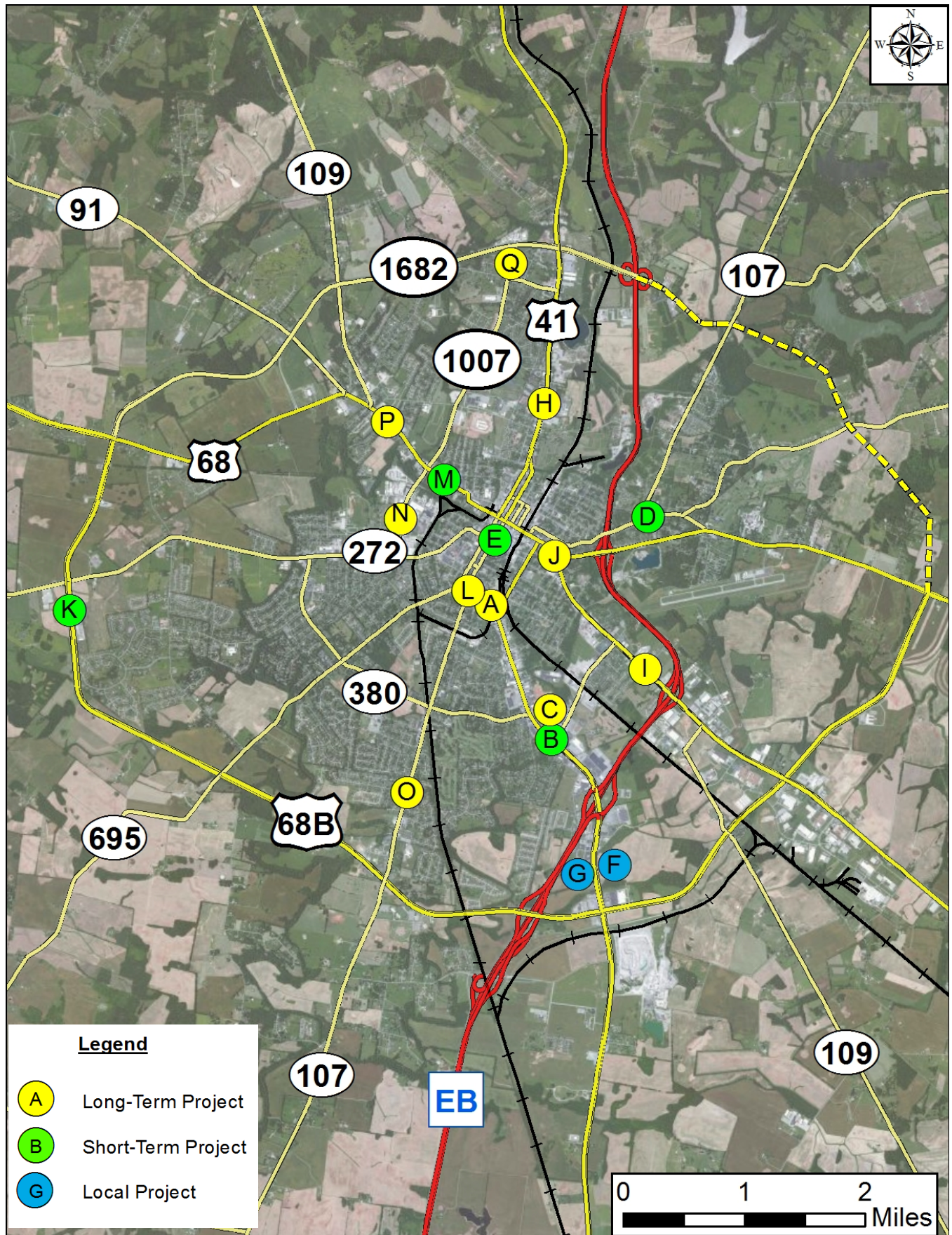


Please provide your opinion on the need/priority for each concept by scoring it from 0 to 10.

10 = I very much support this concept.

0 = I am strongly opposed to the concept.

ID	Route	Location	Description	Short-Term, Long-Term, or Local	Approximate Construction cost	Score
A	US 41A	Walnut and 21st St	Reconstruct intersection	Long-Term	\$1,000,000	
B	US 41A	Skyline Drive (KY 380)	Add additional left turn lane on US 41 A to Skyline Drive (No Skyline realignment)	Short-Term	\$175,000	
C	KY 380	Skyline Drive (KY 380)	Realign Skyline drive and US 41A intersection with Country Club Way	Long-Term	\$3,250,000	
D	KY 107	KY 507	Intersection realignment	Short-Term	\$250,000	
E	KY 107 KY 695	Main Street and Virginia Street @ 18th Street	Improve end of one-way intersections on Virginia and Main Street	Short-Term	\$100,000	
F	New	Backage / Connector Road	Construct new road from By-Pass along the east side of US 41A as backage road to Walmart	Local	\$3,100,000	
G	New	Backage / Connector Road	Construct new road from By-Pass along the west side of US 41A as backage road	Local	\$2,200,000	
H	US 41	US 41 North	Conduct Access Management Study; consider removing median and improving US 41 north	Long-Term	\$100,000	
I	US 41	US 41 (Southeast)	Perform pavement rehabilitation project; remove mountable median and add bike lanes to US 41 southeast	Long-Term	\$4,000,000	
J	US 41	US 68 / KY 80	Reconstruct intersection	Long-Term	\$1,000,000	
K	US 68B	New Industry Lane	Add left turn lanes to each direction of US 68B	Short-Term	\$75,000	
L	KY 107	KY 107	Add lane on KY 107 between 20th and 21st Street	Long-Term	\$500,000	
M	US 68	7th Street	Resurface and stripe 7th street to three lanes between 9th and North Ave	Short-Term	\$150,000	
N	KY 1007	North Drive	Widen North Drive from Canton St. to US 68/KY 80	Long-Term	\$2,000,000	
O	KY 107	Lafayette Road (KY 107)	Widen KY 107 from US 68B to KY 380	Long-Term	\$2,500,000	
P	US 68	West 7th Street	Widen US 68 from KY 91 to KY 1007	Long-Term	\$2,000,000	
Q	KY 1007	North Drive	Extend North Drive from KY 1007 (Sanderson Dr.) to the Hopkinsville Bypass	Long-Term	\$750,000	
R						
S						





Hopkinsville Small Urban Area Study
Christian County
Conceptual Projects Scoring



10 = I very much support this concept.

0 = I am strongly opposed to the concept.

5.5 or less	Low priority
5.5 to 7.5	Medium priority
7.5 or greater	High priority

ID	Route	Location	Short-Term, Long-Term, or Local	Advisory Committee Score	KYTC Central Office Planning Score	KYTC District 2 Score	Average	Prioritization
K	US 68B	New Industry Lane and Turtle Creek Drive	Short-Term	7.7	8	10	8.6	High
J	US 41	US 68 / KY 80	Long-Term	9.7	8.3	7.5	8.5	High
O	KY 107	Lafayette Road (KY 107)	Long-Term	9.3	7	9	8.4	High
B	US 41A	Skyline Drive (KY 380)	Short-Term	9	8	8	8.3	High
E	KY 107 KY 695	Main Street and Virginia Street @ 18th Street	Short-Term	8	8	9	8.3	High
P	US 68	West 7th Street	Long-Term	8.2	8	8	8.1	High
L	KY 107	KY 107	Long-Term	8	7.3	8	7.8	High
M	US 68	7th Street	Short-Term	6.5	8	7	7.2	Medium
A	US 41A	Walnut and 21st St	Long-Term	6.2	8	7	7.1	Medium
N	KY 1007	North Drive	Long-Term	6.3	8.7	6	7.0	Medium
D	KY 107	KY 507	Short-Term	6	7.3	6	6.4	Medium
H	US 41	US 41 North	Short-Term	4.7	6.3	5	5.3	Low
I	US 41	US 41 (Southeast)	Short-Term	4.8	4.7	5	4.8	Low
Q	KY 1007	North Drive	Long-Term	5	5.3	4	4.8	Low
C	KY 380	Skyline Drive (KY 380)	Long-Term	3.3	7.3	3	4.5	Low
F	New	Backage / Connector Road	Local					Local
G	New	Backage / Connector Road	Local					Local